

JENKEM TECHNOLOGY USA

DEDICATED TO THE DEVELOPMENT
AND MANUFACTURE OF
INNOVATIVE HIGH-QUALITY PEG PRODUCTS

FROM R&D, CATALOG SCALE THROUGH
COMMERCIAL GMP PRODUCTION WITH
WORLDWIDE DISTRIBUTION

MOST ITEMS IN THIS CATALOG ARE OFFERED IN BULK
AMOUNTS AT A SUBSTANTIAL DISCOUNT

CUSTOM SYNTHESIS CAPABILITIES ARE AVAILABLE
FOR PEG PRODUCTS NOT LISTED IN THIS CATALOG

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Prices are subject to change without notice.
Shipping and handling fees are extra.

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NOTE: PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

Please inquire if the PEG derivative that you need is not listed in this catalog. We may still have your compound, as not all accessible functional groups and molecular weight combinations are listed in the catalog. In addition, we have chemists dedicated to developing new products and processes on a custom synthesis basis, under confidentiality if needed, and we would be glad to provide a quote for you for this service. Please call or email us at tech@jenkemusa.com.

Introduction

Founded in 2001, JenKem Technology specializes in high-purity, low polydispersity polyethylene glycol (PEG) derivatives, PEG co-polymers, monodisperse PEGs, custom PEG derivative synthesis and PEGylation services. Specific strengths are supported by access to bulk ethylene oxide and the performance of all polymerizations and derivatizations in-house.

JenKem Technology supplies PEG derivatives worldwide, from R&D through GMP commercial quantities, for preclinical, clinical trials, and commercial products in the pharmaceutical, biotechnology, medical device, and diagnostics marketplaces.

JenKem Technology manufactures high quality reactive polyethylene glycol (PEG) derivatives with high purity and narrow polydispersity, from laboratory scale to commercial scale in both GMP and non-GMP grade. PEG raw materials are provided in bulk. JenKem Technology's PEG raw materials are back integrated to production directly from ethylene oxide. GPC calibration standards, necessary for accurate GPC analysis of PEG products, are provided in GPC calibration kits for linear PEGs and 4arm PEGs.

PEGs have been shown to provide improved water solubility and biocompatibility in drugs and other applications, and the ability to attach a variety of reactive functional groups to the terminal positions of these polymers has greatly increased their applications. Homo- or hetero-bifunctional PEGs are especially useful as cross-linking agents or spacers between two chemical entities, whereas mono-functional PEGs prevent bridging reactions which can affect the PEGylation of certain compounds. Branched PEG derivatives consist of linear methoxy PEG chains attached to a central core. JenKem® proprietary Y-shape PEGs are more selective, due to their sterically bulky structure. Multi-arm PEG derivatives, prepared by ethoxylation of different cores such as pentaerythritol, hexaglycerol, or tripentaerythritol, can be cross-linked in a variety of ways into hydrogels.

Bi-functional PEG derivatives with different terminal functional groups are widely used in the PEGylation of peptides, proteins, small molecules, like folate, mannose, pro-drugs or oligonucleotides, cells, nanoparticles and virus particles, or surfaces, and require extensive characterization with complex analytical techniques. Multi-arm PEG derivatives are largely employed in the formation of hydrogels. PEG hydrogels are used extensively in the controlled release of therapeutics, in medical devices, and regenerative medicine, and in various other applications, including wound sealing and healing, 3D printing of biosimilar materials, or as cartilage replacements.

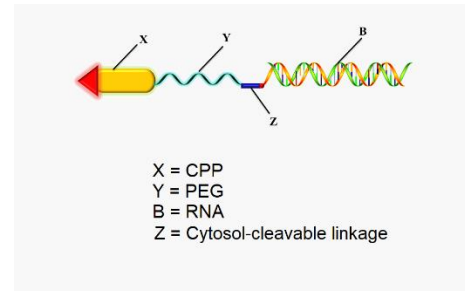
Functionally, JenKem Technology's PEG products for PEGylation include activated PEG derivatives for amine PEGylation, activated PEG derivatives for N-terminal PEGylation, and activated peg derivatives for thiol PEGylation. Structurally, JenKem Technology's PEG products include JenKem® proprietary Y-shape branched PEG derivatives; linear M-PEG derivatives with low diol content; homobifunctional PEG derivatives; heterobifunctional PEG derivatives; multi-arm homofunctional reactive PEGs for hydrogels, multi-arm heterofunctional PEG derivatives for ADC development, and biodegradable PEG co-polymers.

Several innovative PEG product lines were launched in 2018 and are currently offered as made-to-order items. Please contact us for details on these novel products:

Novel Cell Penetrating Peptide-PEG Derivatives for Gene Delivery

- Novel activated Cell Penetrating Peptide-PEG derivatives for covalent coupling
- Application for intracellular delivery of molecules that cannot penetrate the cell membrane on their own
- Presence of PEG eliminates aggregation and sedimentation of RNA or DNA
- Cleavable linkage for cytosolic release of delivered molecule
- In vitro demonstrated cellular uptake of siRNA and high gene-silencing efficacy of delivered siRNA

Schematic of novel CPP-PEG drug delivery system for RNA delivery:



Novel Technology for 3D-Printing of PEG-Based Hydrogels

- M-QTX novel photo-initiator with good water-solubility and biocompatibility, and low cytotoxicity
- Multiarm PEG and PEG-PCL acrylate and methacrylate derivatives for hydrogels
- Hydrogels 3D printed through SLA (stereolithography) at wavelength range of 380-420nm are transparent with well-defined shape
- Low toxicity, biocompatible hydrogels are suitable for tissue engineering and 3D cell culture

Pattern 3D printed from aqueous solution of 8ARM(TP)-ACLT-10K and M-QTX photoinitiator:



PEG PRODUCTS FOR AMINE PEGYLATION

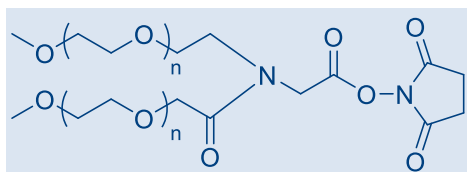
JenKem Technology provides high quality polyethylene glycol (PEG) derivatives for Amine PEGylation with high purity and low polydispersity.

JenKem Technology manufactures numerous NHS and Carboxyl PEGs for amine PEGylation. JenKem Technology's NHS PEGs are categorized as PEG NHS Esters with stable linkers (such as M-SCM, M-SPA, M-SBA, M-SHA, M-SGA, M-SSA); PEG NHS Esters with carbonate linker (such as M-SC and M-NPC); and degradable PEGs with cleavable NHS ester linker (such as M-SS and M-SG).

JenKem Technology offers amine reactive PEGs with linear structure, Y-shape PEGs, U-shape PEGs, multiarm, and monodisperse PEGs. JenKem® proprietary Y-shape PEGs are more selective, due to their sterically bulky structure.

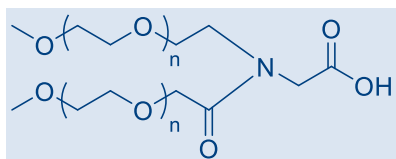
Amine PEGylation products with molecular weights, branching, and functional groups not listed in our catalog may be available by custom synthesis. GMP grade bulk products may also be available by custom synthesis. Please inquire at tech@jenkemusa.com about pricing and availability of custom activated PEGs.

Y-SHAPE PEG NHS ESTER



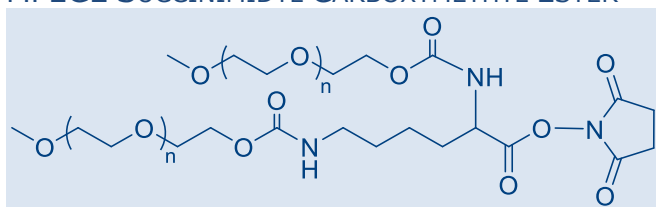
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A0001-1	Y-NHS-40K,1g	Y-shape PEG NHS Ester, MW 40000	\$130
A0001-10	Y-NHS-40K,10g	Y-shape PEG NHS Ester, MW 40000	\$1,040

Y-SHAPE PEG CARBOXYL



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A0019-1	Y-COOH-40K,1g	Y-shape PEG Carboxyl, MW 40000	\$120
A0019-10	Y-COOH-40K,10g	Y-shape PEG Carboxyl, MW 40000	\$960

MPEG2 SUCCINIMIDYL CARBOXYMETHYL ESTER

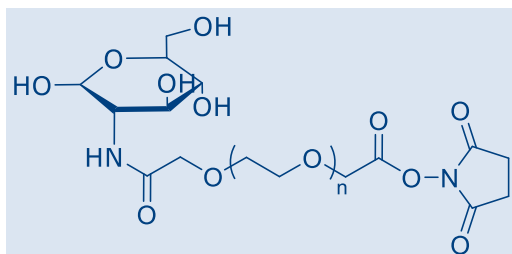


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A1003-1	MPEG2-NHS-40K,1g	MPEG2 Succinimidyl Carboxymethyl Ester, MW 40000	\$160
A1003-10	MPEG2-NHS-40K,10g	MPEG2 Succinimidyl Carboxymethyl Ester, MW 40000	\$1,280

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

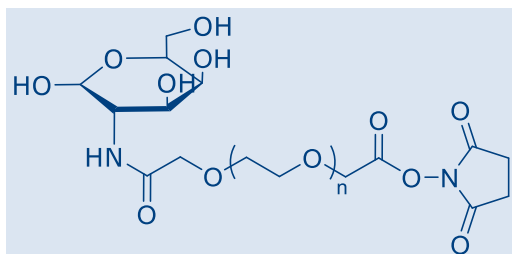
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A1001-1	MPEG2-NHS-20K,1g	MPEG2 Succinimidyl Carboxymethyl Ester, MW 20000	\$170
*A1001-10	MPEG2-NHS-20K,10g	MPEG2 Succinimidyl Carboxymethyl Ester, MW 20000	\$1,360

GLUCOSE PEG SUCCINIMIDYL CARBOXYMETHYL ESTER



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A2001-1	GLUC-SCM-35K,1g	Glucose PEG Succinimidyl Carboxymethyl Ester, MW 35000	\$150
A2001-10	GLUC-SCM-35K,10g	Glucose PEG Succinimidyl Carboxymethyl Ester, MW 35000	\$1,200

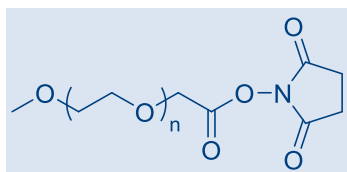
GALACTOSE PEG SUCCINIMIDYL CARBOXYMETHYL ESTER



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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A2002-1	GALA-SCM-35K,1g	Galactose PEG Succinimidyl Carboxymethyl Ester, MW 35000	\$200
*A2002-10	GALA-SCM-35K,10g	Galactose PEG Succinimidyl Carboxymethyl Ester, MW 35000	\$1,600

METHOXY PEG SUCCINIMIDYL CARBOXYMETHYL ESTER

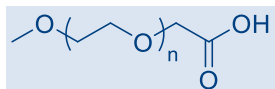


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3072-1	M-SCM-2000,1g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$110
A3072-10	M-SCM-2000,10g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$880
A3105-1	M-SCM-3000,1g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 3000	\$110
A3105-10	M-SCM-3000,10g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 3000	\$880
A3012-1	M-SCM-5000,1g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$110
A3012-10	M-SCM-5000,10g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$880
A3016-1	M-SCM-10K,1g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 10000	\$110
A3016-10	M-SCM-10K,10g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 10000	\$880
A3003-1	M-SCM-20K,1g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 20000	\$110
A3003-10	M-SCM-20K,10g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 20000	\$880
A3041-1	M-SCM-40K,1g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 40000	\$130
A3041-10	M-SCM-40K,10g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 40000	\$1,040

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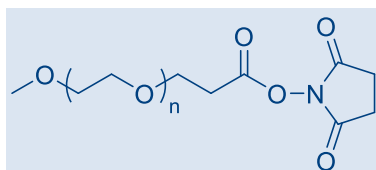
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3004-1	M-SCM-30K,1g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 30000	\$110
*A3004-10	M-SCM-30K,10g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 30000	\$880
*A3005-1	M-SCM-35K,1g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 35000	\$110
*A3005-10	M-SCM-35K,10g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 35000	\$880

METHOXY PEG ACETIC ACID



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3070-1	M-CM-5000,1g	Methoxy PEG Acetic Acid, MW 5000	\$100
A3070-10	M-CM-5000,10g	Methoxy PEG Acetic Acid, MW 5000	\$800
A3081-1	M-CM-10K,1g	Methoxy PEG Acetic Acid, MW 10000	\$100
A3081-10	M-CM-10K,10g	Methoxy PEG Acetic Acid, MW 10000	\$800
A3089-1	M-CM-20K,1g	Methoxy PEG Acetic Acid, MW 20000	\$100
A3089-10	M-CM-20K,10g	Methoxy PEG Acetic Acid, MW 20000	\$800

METHOXY PEG SUCCINIMIDYL PROPIONATE

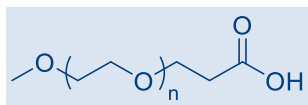


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3013-1	M-SPA-5000,1g	Methoxy PEG Succinimidyl Propionate, MW 5000	\$160
A3013-10	M-SPA-5000,10g	Methoxy PEG Succinimidyl Propionate, MW 5000	\$1,280

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3019-1	M-SPA-20K,1g	Methoxy PEG Succinimidyl Propionate, MW 20000	\$160
*A3019-10	M-SPA-20K,10g	Methoxy PEG Succinimidyl Propionate, MW 20000	\$1,280
*A3107-1	M-SPA-30K,1g	Methoxy PEG Succinimidyl Propionate, MW 30000	\$170
*A3107-10	M-SPA-30K,10g	Methoxy PEG Succinimidyl Propionate, MW 30000	\$1,360

METHOXY PEG PROPIONIC ACID

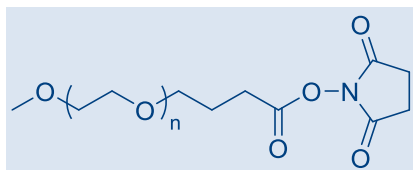


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3225-1	M-PA-5000,1g	Methoxy PEG Propionic Acid, MW 5000	\$150
A3225-10	M-PA-5000,10g	Methoxy PEG Propionic Acid, MW 5000	\$1,200

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A6023-1	M-PA-20K,1g	Methoxy PEG Propionic Acid, MW 20000	\$150
*A6023-10	M-PA-20K,10g	Methoxy PEG Propionic Acid, MW 20000	\$1,200
*A3226-1	M-PA-30K,1g	Methoxy PEG Propionic Acid, MW 30000	\$160
*A3226-10	M-PA-30K,10g	Methoxy PEG Propionic Acid, MW 30000	\$1,280

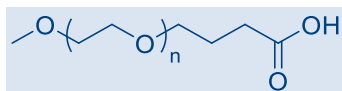
METHOXY PEG SUCCINIMIDYL BUTANOATE



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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3144-1	M-SBA-20K,1g	Methoxy PEG Succinimidyl Butanoate, MW 20000	\$140
*A3144-10	M-SBA-20K,10g	Methoxy PEG Succinimidyl Butanoate, MW 20000	\$1,120

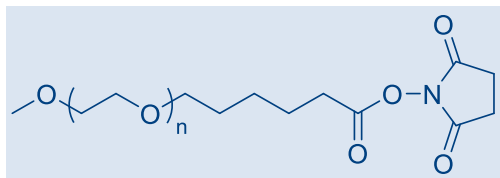
METHOXY PEG BUTANOIC ACID



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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3227-1	M-BA-20K,1g	Methoxy PEG Butanoic Acid, MW 20000	\$130
*A3227-10	M-BA-20K,10g	Methoxy PEG Butanoic Acid, MW 20000	\$1,040

METHOXY PEG SUCCINIMIDYL HEXANOATE

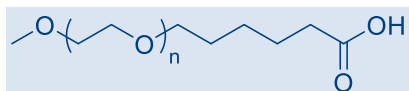


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3148-1	M-SHA-20K,1g	Methoxy PEG Succinimidyl Hexanoate, MW 20000	\$120
A3148-10	M-SHA-20K,10g	Methoxy PEG Succinimidyl Hexanoate, MW 20000	\$960
A3103-1	M-SHA-30K,1g	Methoxy PEG Succinimidyl Hexanoate, MW 30000	\$120
A3103-10	M-SHA-30K,10g	Methoxy PEG Succinimidyl Hexanoate, MW 30000	\$960

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3146-1	M-SHA-5000,1g	Methoxy PEG Succinimidyl Hexanoate, MW 5000	\$120
*A3146-10	M-SHA-5000,10g	Methoxy PEG Succinimidyl Hexanoate, MW 5000	\$960

METHOXY PEG HEXANOIC ACID

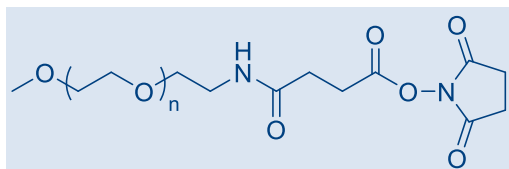


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3147-1	M-HA-20K,1g	Methoxy PEG Hexanoic Acid, MW 20000	\$100
A3147-10	M-HA-20K,10g	Methoxy PEG Hexanoic Acid, MW 20000	\$800
A3259-1	M-HA-30K,1g	Methoxy PEG Hexanoic Acid, MW 30000	\$100
A3259-10	M-HA-30K,10g	Methoxy PEG Hexanoic Acid, MW 30000	\$800

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3145-1	M-HA-5000,1g	Methoxy PEG Hexanoic Acid, MW 5000	\$100
*A3145-10	M-HA-5000,10g	Methoxy PEG Hexanoic Acid, MW 5000	\$800

METHOXY PEG SUCCINIMIDYL SUCCINAMIDE

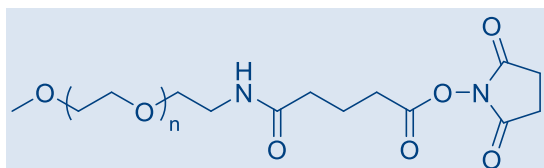


Please inquire if the PEG derivative that you need is not listed in this catalog. We may still have your compound, as not all accessible functional groups and molecular weight combinations are listed in the catalog. In addition, we have chemists dedicated to developing new products and processes on a custom synthesis basis, under confidentiality if needed, and we would be glad to provide a quote for you for this service. Please call or email us at tech@jenkemusa.com.

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3143-1	M-SSA-5000,1g	Methoxy PEG Succinimidyl Succinamide, MW 5000	\$120
*A3143-10	M-SSA-5000,10g	Methoxy PEG Succinimidyl Succinamide, MW 5000	\$960
*A3141-1	M-SSA-20K,1g	Methoxy PEG Succinimidyl Succinamide, MW 20000	\$120
*A3141-10	M-SSA-20K,10g	Methoxy PEG Succinimidyl Succinamide, MW 20000	\$960

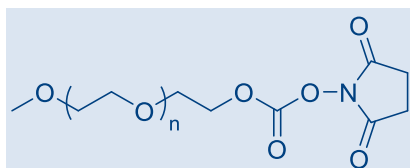
METHOXY PEG SUCCINIMIDYL GLUTARAMIDE



PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

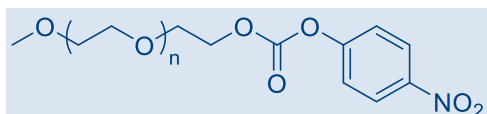
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3050-1	M-SGA-5000,1g	Methoxy PEG Succinimidyl Glutaramide, MW 5000	\$120
*A3050-10	M-SGA-5000,10g	Methoxy PEG Succinimidyl Glutaramide, MW 5000	\$960
*A3040-1	M-SGA-20K,1g	Methoxy PEG Succinimidyl Glutaramide, MW 20000	\$120
*A3040-10	M-SGA-20K,10g	Methoxy PEG Succinimidyl Glutaramide, MW 20000	\$960

METHOXY PEG SUCCINIMIDYL CARBONATE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3083-1	M-SC-10K,1g	Methoxy PEG Succinimidyl Carbonate, MW 10000	\$80
A3083-10	M-SC-10K,10g	Methoxy PEG Succinimidyl Carbonate, MW 10000	\$640
A3061-1	M-SC-12K,1g	Methoxy PEG Succinimidyl Carbonate, MW 12000	\$80
A3061-10	M-SC-12K,10g	Methoxy PEG Succinimidyl Carbonate, MW 12000	\$640
A3021-1	M-SC-20K,1g	Methoxy PEG Succinimidyl Carbonate, MW 20000	\$80
A3021-10	M-SC-20K,10g	Methoxy PEG Succinimidyl Carbonate, MW 20000	\$640

METHOXY PEG NITROPHENYL Carbonate

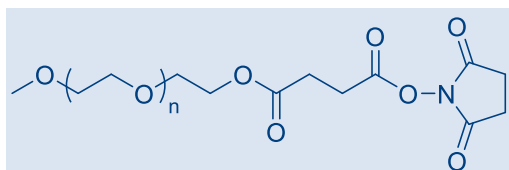


Please inquire if the PEG derivative that you need is not listed in this catalog. We may still have your compound, as not all accessible functional groups and molecular weight combinations are listed in the catalog. In addition, we have chemists dedicated to developing new products and processes on a custom synthesis basis, under confidentiality if needed, and we would be glad to provide a quote for you for this service. Please call or email us at tech@jenkemusa.com.

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

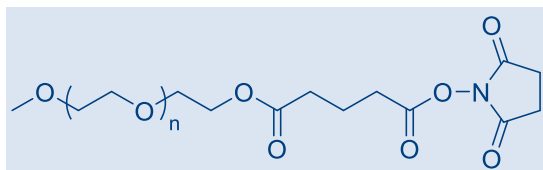
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3094-1	M-NPC-10K,1g	Methoxy PEG Nitrophenyl Carbonate, MW 10000	\$90
*A3094-10	M-NPC-10K,10g	Methoxy PEG Nitrophenyl Carbonate, MW 10000	\$720
*A3038-1	M-NPC-20K,1g	Methoxy PEG Nitrophenyl Carbonate, MW 20000	\$90
*A3038-10	M-NPC-20K,10g	Methoxy PEG Nitrophenyl Carbonate, MW 20000	\$720

METHOXY PEG SUCCINIMIDYL SUCCINATE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3011-1	M-SS-5000,1g	Methoxy PEG Succinimidyl Succinate, MW 5000	\$80
A3011-10	M-SS-5000,10g	Methoxy PEG Succinimidyl Succinate, MW 5000	\$640
A3022-1	M-SS-20K,1g	Methoxy PEG Succinimidyl Succinate, MW 20000	\$80
A3022-10	M-SS-20K,10g	Methoxy PEG Succinimidyl Succinate, MW 20000	\$640

METHOXY PEG SUCCINIMIDYL GLUTARATE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3101-1	M-SG-5000,1g	Methoxy PEG Succinimidyl Glutarate, MW 5000	\$80
A3101-10	M-SG-5000,10g	Methoxy PEG Succinimidyl Glutarate, MW 5000	\$640
A3031-1	M-SG-20K,1g	Methoxy PEG Succinimidyl Glutarate, MW 20000	\$80
A3031-10	M-SG-20K,10g	Methoxy PEG Succinimidyl Glutarate, MW 20000	\$640

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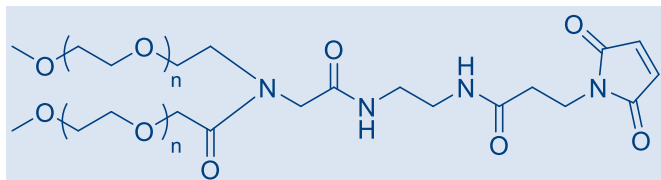
PRODUCTS FOR THIOL PEGYLATION

JenKem Technology provides high quality activated polyethylene glycol derivatives (PEGs) for Thiol PEGylation with high purity and low polydispersity.

Methoxy PEG Maleimide is selective for thiol groups on cysteine side chains. Y-shape PEG Maleimide is more selective, due to its sterically bulky structure. Methoxy PEG Vinylsulfone is a sulfhydryl reactive PEG that reacts at high pH. Methoxy PEG Thiol polydisperse or monodisperse PEGs are reactive towards Thiol groups on cysteine side chains under mild reaction conditions. PolyLactide PEG Maleimide (PLA PEG Maleimide) is a biodegradable thiol reactive PEG copolymer, usually employed for controlled drug release.

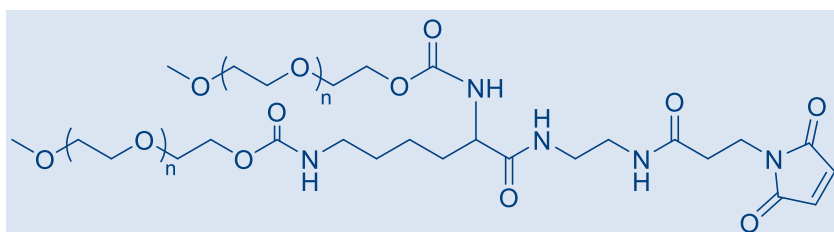
Thiol PEGylation products with molecular weights, branching, and functional groups not listed in our catalog may be available by custom synthesis. GMP grade bulk products may also be available by custom synthesis. Please inquire at tech@jenkemusa.com about pricing and availability of custom activated PEGs.

Y-SHAPE PEG MALEIMIDE



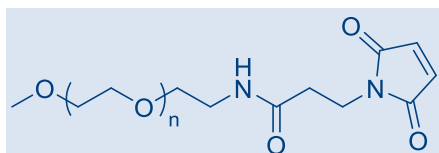
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A0002-1	Y-MAL-40K,1g	Y-shape PEG Maleimide, MW 40000	\$170
A0002-10	Y-MAL-40K,10g	Y-shape PEG Maleimide, MW 40000	\$1,360

MPEG2 MALEIMIDE



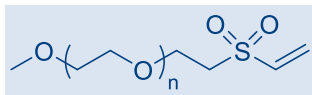
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A1009-1	MPEG2-MAL-40K,1g	MPEG2 Maleimide, MW 40000	\$180
A1009-10	MPEG2-MAL-40K,10g	MPEG2 Maleimide, MW 40000	\$1,440

METHOXY PEG MALEIMIDE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3124-1	M-MAL-2000,1g	Methoxy PEG Maleimide, MW 2000	\$130
A3124-10	M-MAL-2000,10g	Methoxy PEG Maleimide, MW 2000	\$1,040
A3125-1	M-MAL-5000,1g	Methoxy PEG Maleimide, MW 5000	\$130
A3125-10	M-MAL-5000,10g	Methoxy PEG Maleimide, MW 5000	\$1,040
A3119-1	M-MAL-10K,1g	Methoxy PEG Maleimide, MW 10000	\$130
A3119-10	M-MAL-10K,10g	Methoxy PEG Maleimide, MW 10000	\$1,040
A3115-1	M-MAL-20K,1g	Methoxy PEG Maleimide, MW 20000	\$130
A3115-10	M-MAL-20K,10g	Methoxy PEG Maleimide, MW 20000	\$1040
A3116-1	M-MAL-30K,1g	Methoxy PEG Maleimide, MW 30000	\$130
A3116-10	M-MAL-30K,10g	Methoxy PEG Maleimide, MW 30000	\$1,040
A3123-1	M-MAL-40K,1g	Methoxy PEG Maleimide, MW 40000	\$160
A3123-10	M-MAL-40K,10g	Methoxy PEG Maleimide, MW 40000	\$1,280

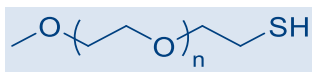
METHOXY PEG VINYLSULFONE



PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3034-1	M-VS-5000,1g	Methoxy PEG Vinylsulfone, MW 5000	\$130
*A3034-10	M-VS-5000,10g	Methoxy PEG Vinylsulfone, MW 5000	\$1,040
*A3006-1	M-VS-20K,1g	Methoxy PEG Vinylsulfone, MW 20000	\$130
*A3006-10	M-VS-20K,10g	Methoxy PEG Vinylsulfone, MW 20000	\$1,040

METHOXY PEG THIOL



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3029-1	M-SH-5000,1g	Methoxy PEG Thiol, MW 5000	\$120
A3029-10	M-SH-5000,10g	Methoxy PEG Thiol, MW 5000	\$960

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3007-1	M-SH-20K,1g	Methoxy PEG Thiol, MW 20000	\$120
*A3007-10	M-SH-20K,10g	Methoxy PEG Thiol, MW 20000	\$960
*A3095-1	M-SH-30K,1g	Methoxy PEG Thiol, MW 30000	\$150
*A3095-10	M-SH-30K,10g	Methoxy PEG Thiol, MW 30000	\$1,200
*A3051-1	M-SH-40K,1g	Methoxy PEG Thiol, MW 40000	\$170
*A3051-10	M-SH-40K,10g	Methoxy PEG Thiol, MW 40000	\$1,360

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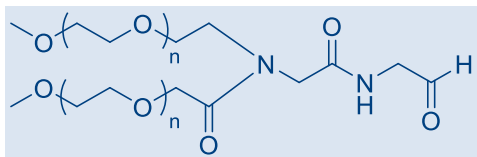
PRODUCTS FOR N-TERMINAL PEGYLATION

JenKem Technology provides high quality polyethylene glycol (PEG) derivatives for N-Terminal PEGylation with high purity and low polydispersity.

JenKem Technology's activated PEG aldehydes for N-Terminal PEGylation, are reactive towards the N-Terminal amines influenced by the lower pKa of the N-Terminal amine in proteins. JenKem Technology's proprietary Y-shape PEGs are more selective, due to their sterically bulky structure. Y-shape Propionaldehyde PEG is reactive towards N-Terminal amines in the presence of a reducing reagent at pH 5-8; less selective but more reactive compared with Y-AALD-40K. Y-shape Acetaldehyde PEG is also an N-Terminal amine reactive PEG in the presence of a reducing reagent at pH 5-8; less reactive but more selective compared to linear PEG aldehydes. Methoxy PEG Propionaldehyde reacts with the N-Terminal at pH 5-8 in the presence of a reducing reagent.

N-Terminal PEGylation products with molecular weights, branching, and functional groups not listed in our catalog may be available by custom synthesis. GMP grade bulk products may also be available by custom synthesis. Please inquire at tech@jenkemusa.com about pricing and availability of custom activated PEGs.

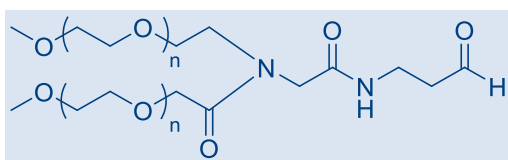
Y-SHAPE PEG ACETALDEHYDE



PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

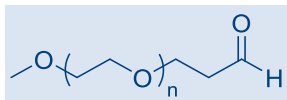
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A0003-1	Y-AALD-40K,1g	Y-shape PEG Acetaldehyde, MW 40000	\$170
*A0003-10	Y-AALD-40K,10g	Y-shape PEG Acetaldehyde, MW 40000	\$1,360

Y-SHAPE PEG PROPIONALDEHYDE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A0017-1	Y-PALD-40K,1g	Y-shape PEG Propionaldehyde, MW 40000	\$170
A0017-10	Y-PALD-40K,10g	Y-shape PEG Propionaldehyde, MW 40000	\$1,360

METHOXY PEG PROPIONALDEHYDE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3039-1	M-ALD-5000,1g	Methoxy PEG Propionaldehyde, MW 5000	\$120
A3039-10	M-ALD-5000,10g	Methoxy PEG Propionaldehyde, MW 5000	\$960
A3033-1	M-ALD-10K,1g	Methoxy PEG Propionaldehyde, MW 10000	\$120
A3033-10	M-ALD-10K,10g	Methoxy PEG Propionaldehyde, MW 10000	\$960
A3001-1	M-ALD-20K,1g	Methoxy PEG Propionaldehyde, MW 20000	\$120
A3001-10	M-ALD-20K,10g	Methoxy PEG Propionaldehyde, MW 20000	\$960
A3026-1	M-ALD-30K,1g	Methoxy PEG Propionaldehyde, MW 30000	\$130
A3026-10	M-ALD-30K,10g	Methoxy PEG Propionaldehyde, MW 30000	\$1,040
A3053-1	M-ALD-40K,1g	Methoxy PEG Propionaldehyde, MW 40000	\$150
A3053-10	M-ALD-40K,10g	Methoxy PEG Propionaldehyde, MW 40000	\$1,200

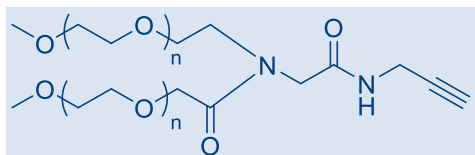
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OTHER Y-SHAPE AND LINEAR METHOXY PEG DERIVATIVES

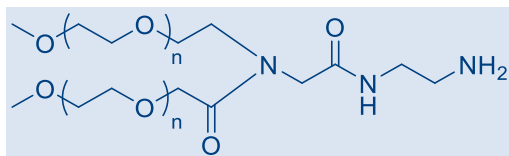
Y-SHAPE PEG ALKYNE



PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A0026-1	Y-ALKYNE-40K,1g	Y-shape PEG Alkyne, MW 40000	\$160
*A0026-10	Y-ALKYNE-40K,10g	Y-shape PEG Alkyne, MW 40000	\$1,280

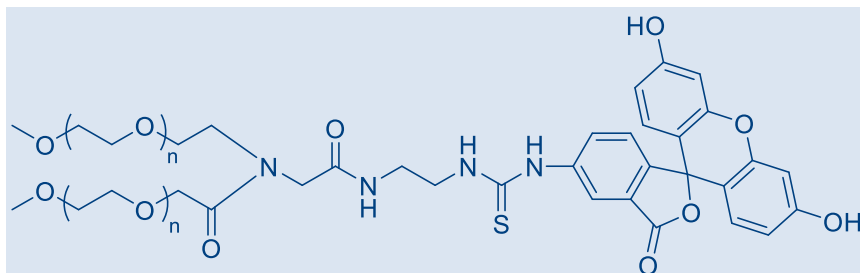
Y-SHAPE PEG AMINE



PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A0010F-1	Y-NH2-40K,1g	Y-shape PEG Amine, MW 40000	\$160
*A0010F-10	Y-NH2-40K,10g	Y-shape PEG Amine, MW 40000	\$1,280

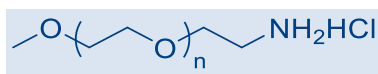
Y-SHAPE PEG FLUORESCIN



PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

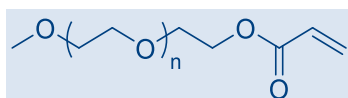
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A0014-1	Y-FITC-40K,1g	Y-shape PEG Fluorescein Isothiocyanate, MW 40000	\$250
*A0014-10	Y-FITC-40K,10g	Y-shape PEG Fluorescein Isothiocyanate, MW 40000	\$2,000

METHOXY PEG AMINE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3071-1	M-NH2HCl-2000,1g	Methoxy PEG Amine, HCl Salt, MW 2000	\$50
A3071-10	M-NH2HCl-2000,10g	Methoxy PEG Amine, HCl Salt, MW 2000	\$400
A3085-1	M-NH2HCl-3000,1g	Methoxy PEG Amine, HCl Salt, MW 3000	\$50
A3085-10	M-NH2HCl-3000,10g	Methoxy PEG Amine, HCl Salt, MW 3000	\$400
A3035-1	M-NH2HCl-5000,1g	Methoxy PEG Amine, HCl Salt, MW 5000	\$50
A3035-10	M-NH2HCl-5000,10g	Methoxy PEG Amine, HCl Salt, MW 5000	\$400
A3052-1	M-NH2HCl-10K,1g	Methoxy PEG Amine, HCl Salt, MW 10000	\$50
A3052-10	M-NH2HCl-10K,10g	Methoxy PEG Amine, HCl Salt, MW 10000	\$400
A3008-1	M-NH2HCl-20K,1g	Methoxy PEG Amine, HCl Salt, MW 20000	\$50
A3008-10	M-NH2HCl-20K,10g	Methoxy PEG Amine, HCl Salt, MW 20000	\$400
A3043-1	M-NH2HCl-30K,1g	Methoxy PEG Amine, HCl Salt, MW 30000	\$60
A3043-10	M-NH2HCl-30K,10g	Methoxy PEG Amine, HCl Salt, MW 30000	\$480
A3049-1	M-NH2HCl-40K,1g	Methoxy PEG Amine, HCl Salt, MW 40000	\$80
A3049-10	M-NH2HCl-40K,10g	Methoxy PEG Amine, HCl Salt, MW 40000	\$640

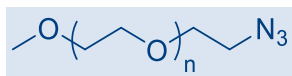
METHOXY PEG ACRYLATE



PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

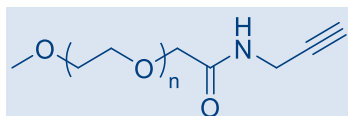
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3098-1	M-ACLT-5000,1g	Methoxy PEG Acrylate, MW 5000	\$80
*A3098-10	M-ACLT-5000,10g	Methoxy PEG Acrylate, MW 5000	\$640
*A3099-1	M-ACLT-20K,1g	Methoxy PEG Acrylate, MW 20000	\$80
*A3099-10	M-ACLT-20K,10g	Methoxy PEG Acrylate, MW 20000	\$640

METHOXY PEG AZIDE



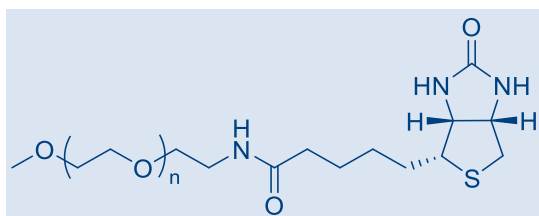
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3082-1	M-AZIDE-5000,1g	Methoxy PEG Azide, MW 5000	\$100
A3082-10	M-AZIDE-5000,10g	Methoxy PEG Azide, MW 5000	\$800
A3093-1	M-AZIDE-20K,1g	Methoxy PEG Azide, MW 20000	\$100
A3093-10	M-AZIDE-20K,10g	Methoxy PEG Azide, MW 20000	\$800

METHOXY PEG ALKYNE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3177-1	M-ALKYNE-5000,1g	Methoxy PEG Alkyne, MW 5000	\$140
A3177-10	M-ALKYNE-5000,10g	Methoxy PEG Alkyne, MW 5000	\$1,120

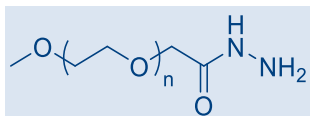
METHOXY PEG BIOTIN



PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3097-1	M-BIOTIN-5000,1g	Methoxy PEG Biotin, MW 5000	\$180
*A3097-10	M-BIOTIN-5000,10g	Methoxy PEG Biotin, MW 5000	\$1,440
*A3048-1	M-BIOTIN-20K,1g	Methoxy PEG Biotin, MW 20000	\$180
*A3048-10	M-BIOTIN-20K,10g	Methoxy PEG Biotin, MW 20000	\$1,440

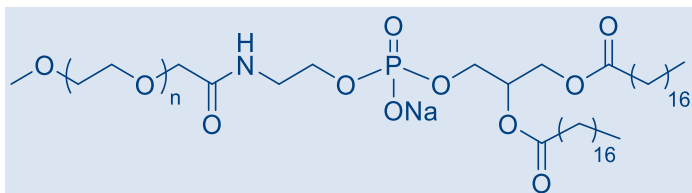
METHOXY PEG HYDRAZIDE



PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3060-1	M-HZ-5000,1g	Methoxy PEG Hydrazide, MW 5000	\$120
*A3060-10	M-HZ-5000,10g	Methoxy PEG Hydrazide, MW 5000	\$960
*A3096-1	M-HZ-10K,1g	Methoxy PEG Hydrazide, MW 10000	\$120
*A3096-10	M-HZ-10K,10g	Methoxy PEG Hydrazide, MW 10000	\$960
*A3059-1	M-HZ-20K,1g	Methoxy PEG Hydrazide, MW 20000	\$120
*A3059-10	M-HZ-20K,10g	Methoxy PEG Hydrazide, MW 20000	\$960
*A3065-1	M-HZ-30K,1g	Methoxy PEG Hydrazide, MW 30000	\$140
*A3065-10	M-HZ-30K,10g	Methoxy PEG Hydrazide, MW 30000	\$1,120
*A3165F-1	M-HZ-40K,1g	Methoxy PEG Hydrazide, MW 40000	\$140
*A3165F-10	M-HZ-40K,10g	Methoxy PEG Hydrazide, MW 40000	\$1,120

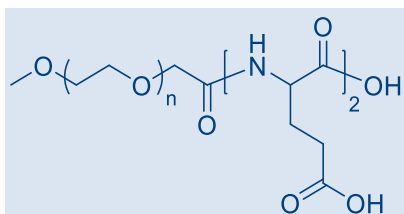
METHOXY PEG DSPE



PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3140-1	M-DSPE-5000,1g	Methoxy PEG DSPE, MW 5000	\$130
*A3140-10	M-DSPE-5000,10g	Methoxy PEG DSPE, MW 5000	\$1,040

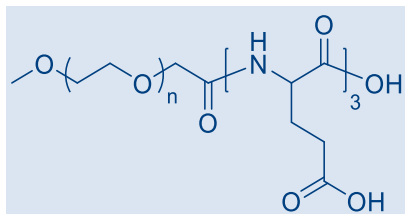
METHOXY PEG DI-GLUTAMIC ACID



PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3156-1	M-GLU2-20K,1g	Methoxy PEG di-Glutamic Acid, MW 20000	\$120
*A3156-10	M-GLU2-20K,10g	Methoxy PEG di-Glutamic Acid, MW 20000	\$960

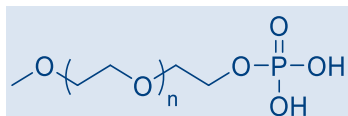
METHOXY PEG TRI-GLUTAMIC ACID



PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

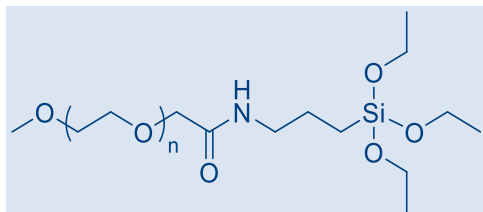
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3157-1	M-GLU3-20K,1g	Methoxy PEG tri-Glutamic Acid, MW 20000	\$150
*A3157-10	M-GLU3-20K,10g	Methoxy PEG tri-Glutamic Acid, MW 20000	\$1,200

METHOXY PEG PHOSPHATE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3106-1	M-PHOS-5000,1g	Methoxy PEG Phosphate, MW 5000	\$120
A3106-10	M-PHOS-5000,10g	Methoxy PEG Phosphate, MW 5000	\$960

METHOXY PEG SILANE

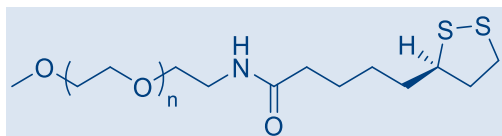


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3037-1	M-SLN-5000,1g	Methoxy PEG Silane, MW 5000	\$130
A3037-10	M-SLN-5000,10g	Methoxy PEG Silane, MW 5000	\$1,040

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3100-1	M-SLN-20K,1g	Methoxy PEG Silane, MW 20000	\$130
*A3100-10	M-SLN-20K,10g	Methoxy PEG Silane, MW 20000	\$1,040

METHOXY PEG THIOCTIC ACID



PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3076-1	M-TA-2000,1g	Methoxy PEG Thioctic Acid, MW 2000	\$200
*A3076-10	M-TA-2000,10g	Methoxy PEG Thioctic Acid, MW 2000	\$1,600

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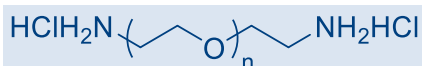
HOMOBIFUNCTIONAL PEG DERIVATIVES

JenKem Technology provides high quality activated homobifunctional polyethylene glycol derivatives (PEGs) with high purity and low polydispersity.

JenKem Technology homobifunctional PEG derivatives have numerous applications as cross-linkers, including for PEGylation of proteins and peptides, or nanoparticle and surface modifications. Homobifunctional PEG derivatives have the general structure: X—PEG—X, where X is a functional or reactive group.

Homobifunctional PEG products with molecular weights, branching, and functional groups not listed in our catalog may be available by custom synthesis. GMP grade bulk products may also be available by custom synthesis. Please inquire at tech@jenkemusa.com about pricing and availability of custom activated PEGs.

AMINE PEG AMINE

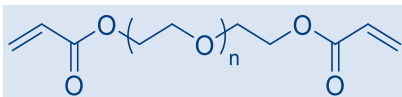


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A4015-1	NH2HCl-PEG2000-NH2HCl,1g	PEG (Amine)2, HCl Salt, MW 2000	\$60
A4015-5	NH2HCl-PEG2000-NH2HCl,5g	PEG (Amine)2, HCl Salt, MW 2000	\$240
A4016-1	NH2HCl-PEG3500-NH2HCl,1g	PEG (Amine)2, HCl Salt, MW 3500	\$60
A4016-5	NH2HCl-PEG3500-NH2HCl,5g	PEG (Amine)2, HCl Salt, MW 3500	\$240
A4017-1	NH2HCl-PEG5000-NH2HCl,1g	PEG (Amine)2, HCl Salt, MW 5000	\$60
A4017-5	NH2HCl-PEG5000-NH2HCl,5g	PEG (Amine)2, HCl Salt, MW 5000	\$240

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A4018-1	NH2HCl-PEG7500-NH2HCl,1g	PEG (Amine)2, HCl Salt, MW 7500	\$60
*A4018-5	NH2HCl-PEG7500-NH2HCl,5g	PEG (Amine)2, HCl Salt, MW 7500	\$240

ACRYLATE PEG ACRYLATE



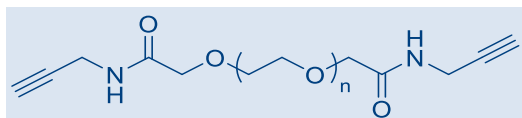
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A4047-1	ACLT-PEG2000-ACLT,1g	PEG (Acrylate)2, MW 2000	\$100
A4047-5	ACLT-PEG2000-ACLT,5g	PEG (Acrylate)2, MW 2000	\$400
A4048-1	ACLT-PEG3500-ACLT,1g	PEG (Acrylate)2, MW 3500	\$100
A4048-5	ACLT-PEG3500-ACLT,5g	PEG (Acrylate)2, MW 3500	\$400

Please inquire if the PEG derivative that you need is not listed in this catalog. We may still have your compound, as not all accessible functional groups and molecular weight combinations are listed in the catalog. In addition, we have chemists dedicated to developing new products and processes on a custom synthesis basis, under confidentiality if needed, and we would be glad to provide a quote for you for this service. Please call or email us at tech@jenkemusa.com.

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

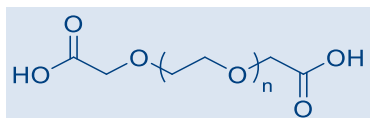
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A4049-1	ACLT-PEG5000-ACLT,1g	PEG (Acrylate)2, MW 5000	\$100
*A4049-5	ACLT-PEG5000-ACLT,5g	PEG (Acrylate)2, MW 5000	\$400
*A4050-1	ACLT-PEG7500-ACLT,1g	PEG (Acrylate)2, MW 7500	\$100
*A4050-5	ACLT-PEG7500-ACLT,5g	PEG (Acrylate)2, MW 7500	\$400

ALKYNE PEG ALKYNE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A4095-1	ALKYNE-PEG5000-ALKYNE,1g	PEG (Alkyne)2, MW 5000	\$140
A4095-5	ALKYNE-PEG5000-ALKYNE,5g	PEG (Alkyne)2, MW 5000	\$560

ACETIC ACID PEG ACETIC ACID

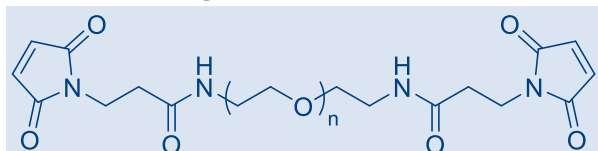


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A4003-1	CM-PEG2000-CM,1g	PEG (Acetic Acid)2, MW 2000	\$80
A4003-5	CM-PEG2000-CM,5g	PEG (Acetic Acid)2, MW 2000	\$320
A4004-1	CM-PEG3500-CM,1g	PEG (Acetic Acid)2, MW 3500	\$80
A4004-5	CM-PEG3500-CM,5g	PEG (Acetic Acid)2, MW 3500	\$320
A4005-1	CM-PEG5000-CM,1g	PEG (Acetic Acid)2, MW 5000	\$80
A4005-5	CM-PEG5000-CM,5g	PEG (Acetic Acid)2, MW 5000	\$320

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A4006-1	CM-PEG7500-CM,1g	PEG (Acetic Acid)2, MW 7500	\$80
*A4006-5	CM-PEG7500-CM,5g	PEG (Acetic Acid)2, MW 7500	\$320

MALEIMIDE PEG MALEIMIDE



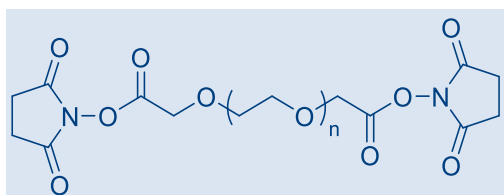
Please inquire if the PEG derivative that you need is not listed in this catalog. We may still have your compound, as not all accessible functional groups and molecular weight combinations are listed in the catalog. In addition, we have chemists dedicated to developing new products and processes on a custom synthesis basis, under confidentiality if needed, and we would be glad to provide a quote for you for this service. Please call or email us at tech@jenkemusa.com.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A4011-1	MAL-PEG2000-MAL,1g	PEG (Maleimide)2, MW 2000	\$140
A4011-5	MAL-PEG2000-MAL,5g	PEG (Maleimide)2, MW 2000	\$560
A4010-1	MAL-PEG3500-MAL,1g	PEG (Maleimide)2, MW 3500	\$140
A4010-5	MAL-PEG3500-MAL,5g	PEG (Maleimide)2, MW 3500	\$560
A4009-1	MAL-PEG5000-MAL,1g	PEG (Maleimide)2, MW 5000	\$140
A4009-5	MAL-PEG5000-MAL,5g	PEG (Maleimide)2, MW 5000	\$560

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A4014-1	MAL-PEG7500-MAL,1g	PEG (Maleimide)2, MW 7500	\$140
*A4014-5	MAL-PEG7500-MAL,5g	PEG (Maleimide)2, MW 7500	\$560

PEG (SUCCINIMIDYL CARBOXYMETHYL ESTER)2

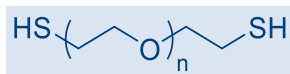


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A4051-1	SCM-PEG2000-SCM,1g	PEG (Succinimidyl Carboxymethyl Ester)2, MW 2000	\$100
A4051-5	SCM-PEG2000-SCM,5g	PEG (Succinimidyl Carboxymethyl Ester)2, MW 2000	\$400
A4052-1	SCM-PEG3500-SCM,1g	PEG (Succinimidyl Carboxymethyl Ester)2, MW 3500	\$100
A4052-5	SCM-PEG3500-SCM,5g	PEG (Succinimidyl Carboxymethyl Ester)2, MW 3500	\$400
A4013-1	SCM-PEG5000-SCM,1g	PEG (Succinimidyl Carboxymethyl Ester)2, MW 5000	\$100
A4013-5	SCM-PEG5000-SCM,5g	PEG (Succinimidyl Carboxymethyl Ester)2, MW 5000	\$400

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

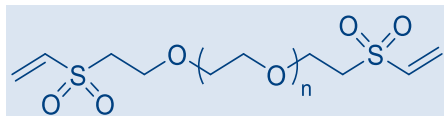
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A4053-1	SCM-PEG7500-SCM,1g	PEG (Succinimidyl Carboxymethyl Ester)2, MW 7500	\$100
*A4053-5	SCM-PEG7500-SCM,5g	PEG (Succinimidyl Carboxymethyl Ester)2, MW 7500	\$400

THIOL PEG THIOL



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A4001-1	HS-PEG3500-SH,1g	PEG (Thiol)2, MW 3500	\$120
A4001-5	HS-PEG3500-SH,5g	PEG (Thiol)2, MW 3500	\$480
A4075-1	HS-PEG5000-SH,1g	PEG (Thiol)2, MW 5000	\$120
A4075-5	HS-PEG5000-SH,5g	PEG (Thiol)2, MW 5000	\$480

VINYLSULFONE PEG VINYLSULFONE



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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A4076-1	VS-PEG3500-VS,1g	PEG (Vinylsulfone)2, MW 3500	\$150
*A4076-5	VS-PEG3500-VS,5g	PEG (Vinylsulfone)2, MW 3500	\$600
*A4077-1	VS-PEG5000-VS,1g	PEG (Vinylsulfone)2, MW 5000	\$150
*A4077-5	VS-PEG5000-VS,5g	PEG (Vinylsulfone)2, MW 5000	\$600

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HETEROBIFUNCTIONAL PEG DERIVATIVES

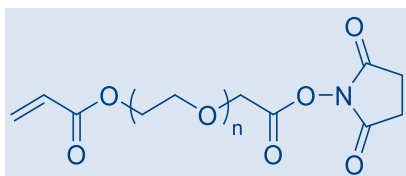
JenKem Technology provides high quality heterobifunctional glycol derivatives (PEGs) with high purity and low polydispersity. JenKem Technology's heterobifunctional PEG derivatives are generally employed as crosslinking agents or as spacers between two different chemical entities. The PEG moiety in the heterobifunctional PEG derivatives provides water solubility, biocompatibility, and flexibility to the linker. Heterobifunctional PEG derivatives have the following general structure:

X—PEG—Y, where X and Y are two different functional or reactive groups.

JenKem Technology's heterofunctional PEG Derivatives are useful as linkers for Antibody-Drug Conjugates or ADCs. ADCs conjugated via heterobifunctional PEGs exhibit improved water solubility and PK/PD profile.

Heterobifunctional PEG products with molecular weights, branching, and functional groups not listed in our catalog may be available by custom synthesis. GMP grade bulk products may also be available by custom synthesis. Please inquire at tech@jenkemusa.com about pricing and availability of custom activated PEGs.

ACRYLATE PEG SUCCINIMIDYL CARBOXYMETHYL ESTER

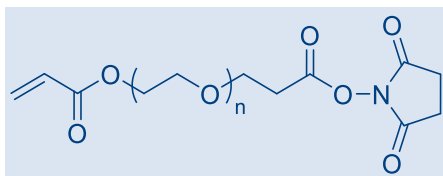


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5021-1	ACLT-PEG2000-SCM,1g	Acrylate PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$350
A5021-5	ACLT-PEG2000-SCM,5g	Acrylate PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$1,400
A5022-1	ACLT-PEG3500-SCM,1g	Acrylate PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$330
A5022-5	ACLT-PEG3500-SCM,5g	Acrylate PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$1,320
A5023-1	ACLT-PEG5000-SCM,1g	Acrylate PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$330
A5023-5	ACLT-PEG5000-SCM,5g	Acrylate PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$1,320

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5024-1	ACLT-PEG7500-SCM,1g	Acrylate PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$330
*A5024-5	ACLT-PEG7500-SCM,5g	Acrylate PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$1,320

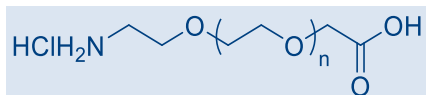
ACRYLATE PEG SUCCINIMIDYL PROPIONATE



PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5320-1	ACLT-PEG3500-SPA,1g	Acrylate PEG Succinimidyl Propionate, MW 3500	\$396
*A5320-5	ACLT-PEG3500-SPA,5g	Acrylate PEG Succinimidyl Propionate, MW 3500	\$1,584
*A5321-1	ACLT-PEG5000-SPA,1g	Acrylate PEG Succinimidyl Propionate, MW 5000	\$396
*A5321-5	ACLT-PEG5000-SPA,5g	Acrylate PEG Succinimidyl Propionate, MW 5000	\$1,584

AMINE PEG ACETIC ACID

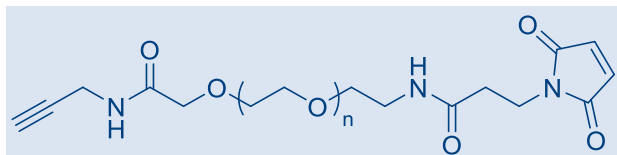


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5017-1	NH2HCl-PEG2000-CM,1g	Amine PEG Acetic Acid, HCl Salt, MW 2000	\$280
A5017-5	NH2HCl-PEG2000-CM,5g	Amine PEG Acetic Acid, HCl Salt, MW 2000	\$1,120
A5018-1	NH2HCl-PEG3500-CM,1g	Amine PEG Acetic Acid, HCl Salt, MW 3500	\$280
A5018-5	NH2HCl-PEG3500-CM,5g	Amine PEG Acetic Acid, HCl Salt, MW 3500	\$1,120
A5019-1	NH2HCl-PEG5000-CM,1g	Amine PEG Acetic Acid, HCl Salt, MW 5000	\$280
A5019-5	NH2HCl-PEG5000-CM,5g	Amine PEG Acetic Acid, HCl Salt, MW 5000	\$1,120

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5236-1	NH2HCl-PEG1000-CM,1g	Amine PEG Acetic Acid, HCl Salt, MW 1000	\$350
*A5236-5	NH2HCl-PEG1000-CM,5g	Amine PEG Acetic Acid, HCl Salt, MW 1000	\$1,400
*A5020-1	NH2HCl-PEG7500-CM,1g	Amine PEG Acetic Acid, HCl Salt, MW 7500	\$280
*A5020-5	NH2HCl-PEG7500-CM,5g	Amine PEG Acetic Acid, HCl Salt, MW 7500	\$1,120
*A5159-1	NH2HCl-PEG10K-CM,1g	Amine PEG Acetic Acid, HCl Salt, MW 10000	\$350
*A5159-5	NH2HCl-PEG10K-CM,5g	Amine PEG Acetic Acid, HCl Salt, MW 10000	\$1,400
*A5160-1	NH2HCl-PEG20K-CM,1g	Amine PEG Acetic Acid, HCl Salt, MW 20000	\$350
*A5160-5	NH2HCl-PEG20K-CM,5g	Amine PEG Acetic Acid, HCl Salt, MW 20000	\$1,400

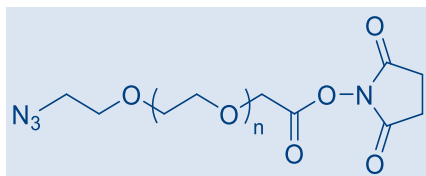
ALKYNE PEG MALEIMIDE



PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

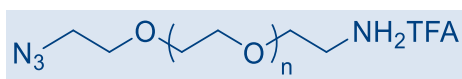
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5290-1	ALKYNE-PEG3500-MAL,1g	Alkyne PEG Maleimide, MW 3500	\$500
*A5290-5	ALKYNE-PEG3500-MAL,5g	Alkyne PEG Maleimide, MW 3500	\$2,000

AZIDE PEG SUCCINIMIDYL CARBOXYMETHYL ESTER



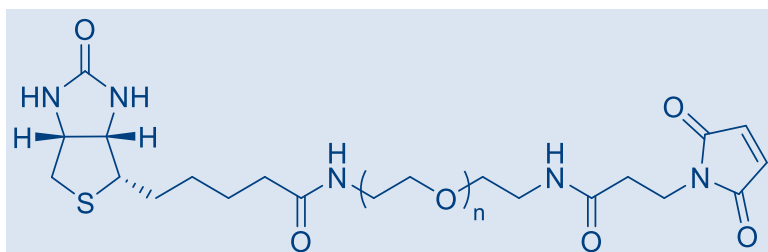
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5086-1	AZIDE-PEG3500-SCM,1g	Azide PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$500
A5086-5	AZIDE-PEG3500-SCM,5g	Azide PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$2,000
A5088-1	AZIDE-PEG5000-SCM,1g	Azide PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$500
A5088-5	AZIDE-PEG5000-SCM,5g	Azide PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$2,000

AZIDE PEG AMINE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5238-1	AZIDE-PEG3500-NH2TFA,1g	Azide PEG Amine, TFA Salt, MW 3500	\$400
A5238-5	AZIDE-PEG3500-NH2TFA,5g	Azide PEG Amine, TFA Salt, MW 3500	\$1,600
A5239-1	AZIDE-PEG5000-NH2TFA,1g	Azide PEG Amine, TFA Salt, MW 5000	\$400
A5239-5	AZIDE-PEG5000-NH2TFA,5g	Azide PEG Amine, TFA Salt, MW 5000	\$1,600

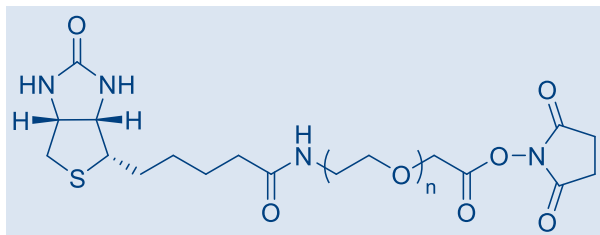
BIOTIN PEG MALEIMIDE



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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5029-1	BIOTIN-PEG2000-MAL,1g	Biotin PEG Maleimide, MW 2000	\$550
*A5029-5	BIOTIN-PEG2000-MAL,5g	Biotin PEG Maleimide, MW 2000	\$2,200
*A5030-1	BIOTIN-PEG3500-MAL,1g	Biotin PEG Maleimide, MW 3500	\$550
*A5030-5	BIOTIN-PEG3500-MAL,5g	Biotin PEG Maleimide, MW 3500	\$2,200
*A5031-1	BIOTIN-PEG5000-MAL,1g	Biotin PEG Maleimide, MW 5000	\$550
*A5031-5	BIOTIN-PEG5000-MAL,5g	Biotin PEG Maleimide, MW 5000	\$2,200
*A5032-1	BIOTIN-PEG7500-MAL,1g	Biotin PEG Maleimide, MW 7500	\$550
*A5032-5	BIOTIN-PEG7500-MAL,5g	Biotin PEG Maleimide, MW 7500	\$2,200

BIOTIN PEG SUCCINIMIDYL CARBOXYMETHYL ESTER

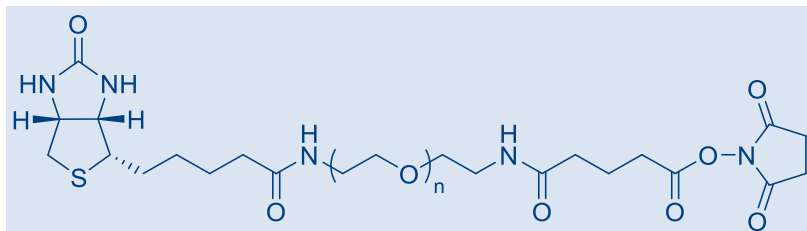


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5025-1	BIOTIN-PEG2000-SCM,1g	Biotin PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$500
A5025-5	BIOTIN-PEG2000-SCM,5g	Biotin PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$2,000

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5026-1	BIOTIN-PEG3500-SCM,1g	Biotin PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$500
*A5026-5	BIOTIN-PEG3500-SCM,5g	Biotin PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$2,000
*A5027-1	BIOTIN-PEG5000-SCM,1g	Biotin PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$500
*A5027-5	BIOTIN-PEG5000-SCM,5g	Biotin PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$2,000
*A5028-1	BIOTIN-PEG7500-SCM,1g	Biotin PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$500
*A5028-5	BIOTIN-PEG7500-SCM,5g	Biotin PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$2,000

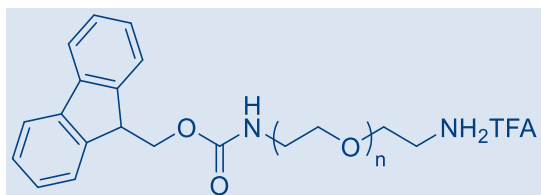
BIOTIN PEG SUCCINIMIDYL GLUTARAMIDE



PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5057-1	BIOTIN-PEG3500-SGA,1g	Biotin PEG Succinimidyl Glutaramide, MW 3500	\$550
*A5057-5	BIOTIN-PEG3500-SGA,5g	Biotin PEG Succinimidyl Glutaramide, MW 3500	\$2,200

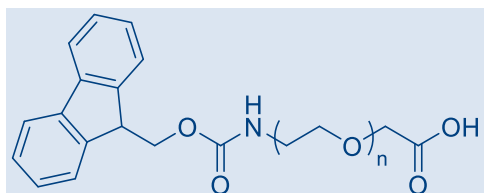
FMOC AMINE PEG AMINE



PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5138-1	FMOC-PEG2000-NH2TFA,1g	Fmoc Amine PEG Amine, TFA Salt, MW 2000	\$300
*A5138-5	FMOC-PEG2000-NH2TFA,5g	Fmoc Amine PEG Amine, TFA Salt, MW 2000	\$1,200
*A5139-1	FMOC-PEG3500-NH2TFA,1g	Fmoc Amine PEG Amine, TFA Salt, MW 3500	\$300
*A5139-5	FMOC-PEG3500-NH2TFA,5g	Fmoc Amine PEG Amine, TFA Salt, MW 3500	\$1,200
*A5140-1	FMOC-PEG5000-NH2TFA,1g	Fmoc Amine PEG Amine, TFA Salt, MW 5000	\$300
*A5140-5	FMOC-PEG5000-NH2TFA,5g	Fmoc Amine PEG Amine, TFA Salt, MW 5000	\$1,200
*A5141-1	FMOC-PEG7500-NH2TFA,1g	Fmoc Amine PEG Amine, TFA Salt, MW 7500	\$300
*A5141-5	FMOC-PEG7500-NH2TFA,5g	Fmoc Amine PEG Amine, TFA Salt, MW 7500	\$1,200

FMOC AMINE PEG ACETIC ACID

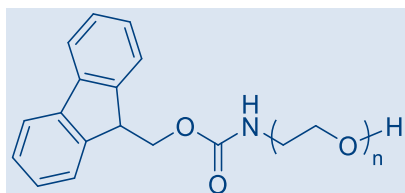


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5081-1	FMOC-PEG2000-CM,1g	Fmoc Amine PEG Acetic Acid, MW 2000	\$375
A5081-5	FMOC-PEG2000-CM,5g	Fmoc Amine PEG Acetic Acid, MW 2000	\$1,500

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5135-1	FMOC-PEG3500-CM,1g	Fmoc Amine PEG Acetic Acid, MW 3500	\$375
*A5135-5	FMOC-PEG3500-CM,5g	Fmoc Amine PEG Acetic Acid, MW 3500	\$1,500
*A5136-1	FMOC-PEG5000-CM,1g	Fmoc Amine PEG Acetic Acid, MW 5000	\$375
*A5136-5	FMOC-PEG5000-CM,5g	Fmoc Amine PEG Acetic Acid, MW 5000	\$1,500
*A5137-1	FMOC-PEG7500-CM,1g	Fmoc Amine PEG Acetic Acid, MW 7500	\$375
*A5137-5	FMOC-PEG7500-CM,5g	Fmoc Amine PEG Acetic Acid, MW 7500	\$1,500

FMOC AMINE PEG HYDROXYL

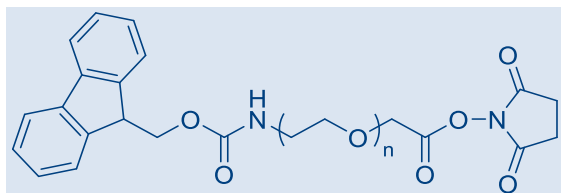


PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5131-1	FMOC-PEG2000-OH,1g	Fmoc Amine PEG Hydroxyl, MW 2000	\$250
*A5131-5	FMOC-PEG2000-OH,5g	Fmoc Amine PEG Hydroxyl, MW 2000	\$1,000
*A5129-1	FMOC-PEG3500-OH,1g	Fmoc Amine PEG Hydroxyl, MW 3500	\$250
*A5129-5	FMOC-PEG3500-OH,5g	Fmoc Amine PEG Hydroxyl, MW 3500	\$1,000

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5128-1	FMOC-PEG5000-OH,1g	Fmoc Amine PEG Hydroxyl, MW 5000	\$250
*A5128-5	FMOC-PEG5000-OH,5g	Fmoc Amine PEG Hydroxyl, MW 5000	\$1,000
*A5130-1	FMOC-PEG7500-OH,1g	Fmoc Amine PEG Hydroxyl, MW 7500	\$250
*A5130-5	FMOC-PEG7500-OH,5g	Fmoc Amine PEG Hydroxyl, MW 7500	\$1,000

FMOC AMINE PEG SUCCINIMIDYL CARBOXYMETHYL ESTER

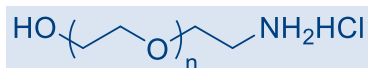


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5049-1	FMOC-PEG2000-SCM,1g	Fmoc Amine PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$400
A5049-5	FMOC-PEG2000-SCM,5g	Fmoc Amine PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$1,600

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5050-1	FMOC-PEG3500-SCM,1g	Fmoc Amine PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$400
*A5050-5	FMOC-PEG3500-SCM,5g	Fmoc Amine PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$1,600
*A5051-1	FMOC-PEG5000-SCM,1g	Fmoc Amine PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$400
*A5051-5	FMOC-PEG5000-SCM,5g	Fmoc Amine PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$1,600
*A5052-1	FMOC-PEG7500-SCM,1g	Fmoc Amine PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$400
*A5052-5	FMOC-PEG7500-SCM,5g	Fmoc Amine PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$1,600

HYDROXYL PEG AMINE



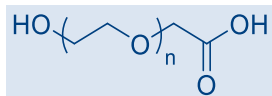
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5013-1	HO-PEG2000-NH2HCl,1g	Hydroxyl PEG Amine, HCl Salt, MW 2000	\$200
A5013-5	HO-PEG2000-NH2HCl,5g	Hydroxyl PEG Amine, HCl Salt, MW 2000	\$800
A5014-1	HO-PEG3500-NH2HCl,1g	Hydroxyl PEG Amine, HCl Salt, MW 3500	\$200
A5014-5	HO-PEG3500-NH2HCl,5g	Hydroxyl PEG Amine, HCl Salt, MW 3500	\$800
A5015-1	HO-PEG5000-NH2HCl,1g	Hydroxyl PEG Amine, HCl Salt, MW 5000	\$200
A5015-5	HO-PEG5000-NH2HCl,5g	Hydroxyl PEG Amine, HCl Salt, MW 5000	\$800

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5234-1	HO-PEG1000-NH2HCl,1g	Hydroxyl PEG Amine, HCl Salt, MW 1000	\$300
*A5234-5	HO-PEG1000-NH2HCl,5g	Hydroxyl PEG Amine, HCl Salt, MW 1000	\$1,200
*A5016-1	HO-PEG7500-NH2HCl,1g	Hydroxyl PEG Amine, HCl Salt, MW 7500	\$200
*A5016-5	HO-PEG7500-NH2HCl,5g	Hydroxyl PEG Amine, HCl Salt, MW 7500	\$800

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5157-1	HO-PEG10K-NH2HCl,1g	Hydroxyl PEG Amine, HCl Salt, MW 10000	\$200
*A5157-5	HO-PEG10K-NH2HCl,5g	Hydroxyl PEG Amine, HCl Salt, MW 10000	\$800
*A5158-1	HO-PEG20K-NH2HCl,1g	Hydroxyl PEG Amine, HCl Salt, MW 20000	\$200
*A5158-5	HO-PEG20K-NH2HCl,5g	Hydroxyl PEG Amine, HCl Salt, MW 20000	\$800

HYDROXYL PEG ACETIC ACID

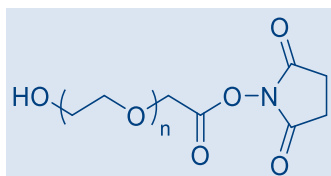


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5009-1	HO-PEG2000-CM,1g	Hydroxyl PEG Acetic Acid, MW 2000	\$200
A5009-5	HO-PEG2000-CM,5g	Hydroxyl PEG Acetic Acid, MW 2000	\$800
A5010-1	HO-PEG3500-CM,1g	Hydroxyl PEG Acetic Acid, MW 3500	\$200
A5010-5	HO-PEG3500-CM,5g	Hydroxyl PEG Acetic Acid, MW 3500	\$800
A5011-1	HO-PEG5000-CM,1g	Hydroxyl PEG Acetic Acid, MW 5000	\$200
A5011-5	HO-PEG5000-CM,5g	Hydroxyl PEG Acetic Acid, MW 5000	\$800

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5233-1	HO-PEG1000-CM,1g	Hydroxyl PEG Acetic Acid, MW 1000	\$300
*A5233-5	HO-PEG1000-CM,5g	Hydroxyl PEG Acetic Acid, MW 1000	\$1,200
*A5012-1	HO-PEG7500-CM,1g	Hydroxyl PEG Acetic Acid, MW 7500	\$200
*A5012-5	HO-PEG7500-CM,5g	Hydroxyl PEG Acetic Acid, MW 7500	\$800
*A5155-1	HO-PEG10K-CM,1g	Hydroxyl PEG Acetic Acid, MW 10000	\$250
*A5155-5	HO-PEG10K-CM,5g	Hydroxyl PEG Acetic Acid, MW 10000	\$1,000
*A5156-1	HO-PEG20K-CM,1g	Hydroxyl PEG Acetic Acid, MW 20000	\$300
*A5156-5	HO-PEG20K-CM,5g	Hydroxyl PEG Acetic Acid, MW 20000	\$1,200

HYDROXYL PEG SUCCINIMIDYL CARBOXYMETHYL ESTER



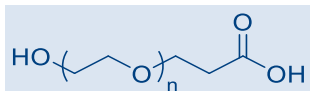
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5078-1	HO-PEG5000-SCM,1g	Hydroxyl PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$250
A5078-5	HO-PEG5000-SCM,5g	Hydroxyl PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$1,000

Please inquire if the PEG derivative that you need is not listed in this catalog. We may still have your compound, as not all accessible functional groups and molecular weight combinations are listed in the catalog. In addition, we have chemists dedicated to developing new products and processes on a custom synthesis basis, under confidentiality if needed, and we would be glad to provide a quote for you for this service. Please call or email us at tech@jenkemusa.com.

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5076-1	HO-PEG2000-SCM,1g	Hydroxyl PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$250
*A5076-5	HO-PEG2000-SCM,5g	Hydroxyl PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$1,000
*A5077-1	HO-PEG3500-SCM,1g	Hydroxyl PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$250
*A5077-5	HO-PEG3500-SCM,5g	Hydroxyl PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$1,000
*A5079-1	HO-PEG7500-SCM,1g	Hydroxyl PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$250
*A5079-5	HO-PEG7500-SCM,5g	Hydroxyl PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$1,000

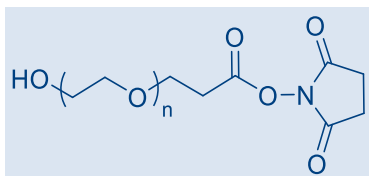
HYDROXYL PEG PROPIONIC ACID



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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5324-1	HO-PEG3500-PA,1g	Hydroxyl PEG Propionic Acid, MW 3500	\$300
*A5324-5	HO-PEG3500-PA,5g	Hydroxyl PEG Propionic Acid, MW 3500	\$1,200
*A5325-1	HO-PEG5000-PA,1g	Hydroxyl PEG Propionic Acid, MW 5000	\$300
*A5325-5	HO-PEG5000-PA,5g	Hydroxyl PEG Propionic Acid, MW 5000	\$1,200

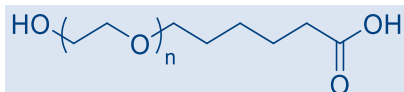
HYDROXYL PEG SUCCINIMIDYL PROPIONATE



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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5326-1	HO-PEG3500-SPA,1g	Hydroxyl PEG Succinimidyl Propionate, MW 3500	\$350
*A5326-5	HO-PEG3500-SPA,5g	Hydroxyl PEG Succinimidyl Propionate, MW 3500	\$1,400
*A5327-1	HO-PEG5000-SPA,1g	Hydroxyl PEG Succinimidyl Propionate, MW 5000	\$350
*A5327-5	HO-PEG5000-SPA,5g	Hydroxyl PEG Succinimidyl Propionate, MW 5000	\$1,400

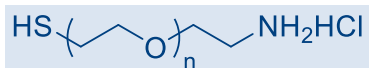
HYDROXYL PEG HEXANOIC ACID



PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5187-1	HO-PEG5000-HA,1g	Hydroxyl PEG Hexanoic Acid, MW 5000	\$300
*A5187-5	HO-PEG5000-HA,5g	Hydroxyl PEG Hexanoic Acid, MW 5000	\$1,200

THIOL PEG AMINE

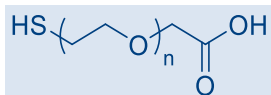


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5143-1	HS-PEG2000-NH2HCl,1g	Thiol PEG Amine, HCl Salt, MW 2000	\$400
A5143-5	HS-PEG2000-NH2HCl,5g	Thiol PEG Amine, HCl Salt, MW 2000	\$1,600
A5144-1	HS-PEG3500-NH2HCl,1g	Thiol PEG Amine, HCl Salt, MW 3500	\$350
A5144-5	HS-PEG3500-NH2HCl,5g	Thiol PEG Amine, HCl Salt, MW 3500	\$1,400
A5145-1	HS-PEG5000-NH2HCl,1g	Thiol PEG Amine, HCl Salt, MW 5000	\$350
A5145-5	HS-PEG5000-NH2HCl,5g	Thiol PEG Amine, HCl Salt, MW 5000	\$1,400

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5146-1	HS-PEG7500-NH2HCl,1g	Thiol PEG Amine, HCl Salt, MW 7500	\$350
*A5146-5	HS-PEG7500-NH2HCl,5g	Thiol PEG Amine, HCl Salt, MW 7500	\$1,400

THIOL PEG ACETIC ACID

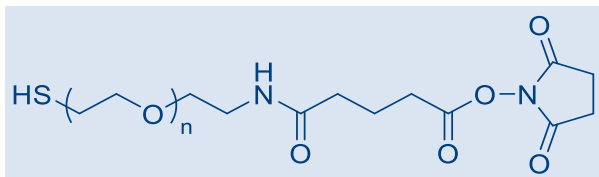


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5098-1	HS-PEG2000-CM,1g	Thiol PEG Acetic Acid, MW 2000	\$350
A5098-5	HS-PEG2000-CM,5g	Thiol PEG Acetic Acid, MW 2000	\$1,400
A5099-1	HS-PEG3500-CM,1g	Thiol PEG Acetic Acid, MW 3500	\$300
A5099-5	HS-PEG3500-CM,5g	Thiol PEG Acetic Acid, MW 3500	\$1,200
A5100-1	HS-PEG5000-CM,1g	Thiol PEG Acetic Acid, MW 5000	\$300
A5100-5	HS-PEG5000-CM,5g	Thiol PEG Acetic Acid, MW 5000	\$1,200

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5101-1	HS-PEG7500-CM,1g	Thiol PEG Acetic Acid, MW 7500	\$300
*A5101-5	HS-PEG7500-CM,5g	Thiol PEG Acetic Acid, MW 7500	\$1,200

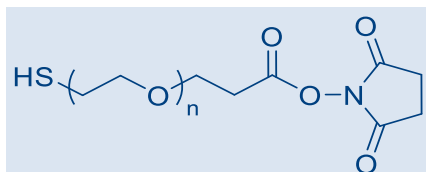
THIOL PEG SUCCINIMIDYL GLUTARAMIDE



PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5216-1	HS-PEG3500-SGA,1g	Thiol PEG Succinimidyl Glutaramide, MW 3500	\$600
*A5216-5	HS-PEG3500-SGA,5g	Thiol PEG Succinimidyl Glutaramide, MW 3500	\$2,400
*A5240-1	HS-PEG5000-SGA,1g	Thiol PEG Succinimidyl Glutaramide, MW 5000	\$600
*A5240-5	HS-PEG5000-SGA,5g	Thiol PEG Succinimidyl Glutaramide, MW 5000	\$2,400

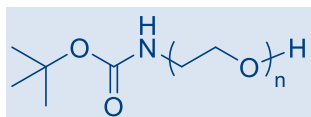
THIOL PEG SUCCINIMIDYL PROPIONATE



PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5330-1	HS-PEG3500-SPA,1g	Thiol PEG Succinimidyl Propionate, MW 3500	\$660
*A5330-5	HS-PEG3500-SPA,5g	Thiol PEG Succinimidyl Propionate, MW 3500	\$2,640
*A5331-1	HS-PEG5000-SPA,1g	Thiol PEG Succinimidyl Propionate, MW 5000	\$720
*A5331-5	HS-PEG5000-SPA,5g	Thiol PEG Succinimidyl Propionate, MW 5000	\$2,880

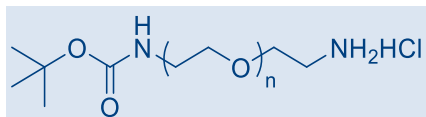
T-BOC AMINE PEG HYDROXYL



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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5045-1	TBOC-PEG2000-OH,1g	t-Boc Amine PEG Hydroxyl, MW 2000	\$250
*A5045-5	TBOC-PEG2000-OH,5g	t-Boc Amine PEG Hydroxyl, MW 2000	\$1,000
*A5046-1	TBOC-PEG3500-OH,1g	t-Boc Amine PEG Hydroxyl, MW 3500	\$250
*A5046-5	TBOC-PEG3500-OH,5g	t-Boc Amine PEG Hydroxyl, MW 3500	\$1,000
*A5047-1	TBOC-PEG5000-OH,1g	t-Boc Amine PEG Hydroxyl, MW 5000	\$250
*A5047-5	TBOC-PEG5000-OH,5g	t-Boc Amine PEG Hydroxyl, MW 5000	\$1,000
*A5048-1	TBOC-PEG7500-OH,1g	t-Boc Amine PEG Hydroxyl, MW 7500	\$250
*A5048-5	TBOC-PEG7500-OH,5g	t-Boc Amine PEG Hydroxyl, MW 7500	\$1,000

T-BOC AMINE PEG AMINE

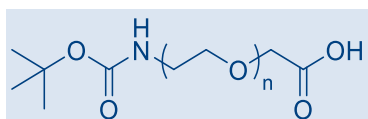


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5042-1	TBOC-PEG2000-NH2HCl,1g	t-Boc Amine PEG Amine, HCl Salt, MW 2000	\$280
A5042-5	TBOC-PEG2000-NH2HCl,5g	t-Boc Amine PEG Amine, HCl Salt, MW 2000	\$1,120

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5043-1	TBOC-PEG3500-NH2HCl,1g	t-Boc Amine PEG Amine, HCl Salt, MW 3500	\$280
*A5043-5	TBOC-PEG3500-NH2HCl,5g	t-Boc Amine PEG Amine, HCl Salt, MW 3500	\$1,120
*A5040-1	TBOC-PEG5000-NH2HCl,1g	t-Boc Amine PEG Amine, HCl Salt, MW 5000	\$280
*A5040-5	TBOC-PEG5000-NH2HCl,5g	t-Boc Amine PEG Amine, HCl Salt, MW 5000	\$1,120
*A5044-1	TBOC-PEG7500-NH2HCl,1g	t-Boc Amine PEG Amine, HCl Salt, MW 7500	\$280
*A5044-5	TBOC-PEG7500-NH2HCl,5g	t-Boc Amine PEG Amine, HCl Salt, MW 7500	\$1,120

T-BOC AMINE PEG ACETIC ACID

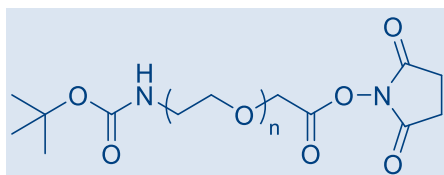


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5071-1	TBOC-PEG2000-CM,1g	t-Boc Amine PEG Acetic Acid, MW 2000	\$375
A5071-5	TBOC-PEG2000-CM,5g	t-Boc Amine PEG Acetic Acid, MW 2000	\$1,500

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5116-1	TBOC-PEG3500-CM,1g	t-Boc Amine PEG Acetic Acid, MW 3500	\$375
*A5116-5	TBOC-PEG3500-CM,5g	t-Boc Amine PEG Acetic Acid, MW 3500	\$1,500
*A5163-1	TBOC-PEG5000-CM,1g	t-Boc Amine PEG Acetic Acid, MW 5000	\$375
*A5163-5	TBOC-PEG5000-CM,5g	t-Boc Amine PEG Acetic Acid, MW 5000	\$1,500
*A5064-1	TBOC-PEG7500-CM,1g	t-Boc Amine PEG Acetic Acid, MW 7500	\$375
*A5064-5	TBOC-PEG7500-CM,5g	t-Boc Amine PEG Acetic Acid, MW 7500	\$1,500

T-BOC AMINE PEG SUCCINIMIDYL CARBOXYMETHYL ESTER

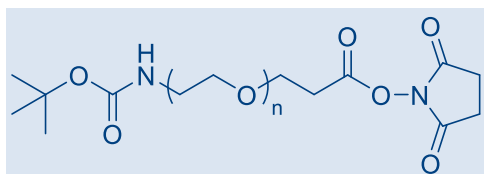


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5095-1	TBOC-PEG2000-SCM,1g	t-Boc Amine PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$400
A5095-5	TBOC-PEG2000-SCM,5g	t-Boc Amine PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$1,600

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5056-1	TBOC-PEG3500-SCM,1g	t-Boc Amine PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$400
*A5056-5	TBOC-PEG3500-SCM,5g	t-Boc Amine PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$1,600
*A5096-1	TBOC-PEG5000-SCM,1g	t-Boc Amine PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$400
*A5096-5	TBOC-PEG5000-SCM,5g	t-Boc Amine PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$1,600
*A5097-1	TBOC-PEG7500-SCM,1g	t-Boc Amine PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$400
*A5097-5	TBOC-PEG7500-SCM,5g	t-Boc Amine PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$1,600

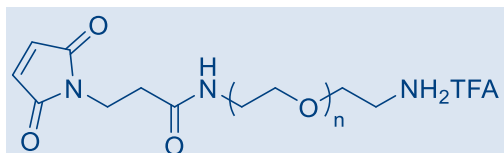
T-BOC AMINE PEG SUCCINIMIDYL PROPIONATE



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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5328-1	TBOC-PEG3500-SPA,1g	TBOC Amine PEG Succinimidyl Propionate, MW 3500	\$450
*A5328-5	TBOC-PEG3500-SPA,5g	TBOC Amine PEG Succinimidyl Propionate, MW 3500	\$1,800
*A5329-1	TBOC-PEG5000-SPA,1g	TBOC Amine PEG Succinimidyl Propionate, MW 5000	\$450
*A5329-5	TBOC-PEG5000-SPA,5g	TBOC Amine PEG Succinimidyl Propionate, MW 5000	\$1,800

MALEIMIDE PEG AMINE

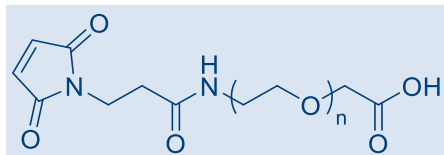


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5005-1	MAL-PEG2000-NH2TFA,1g	Maleimide PEG Amine, TFA Salt, MW 2000	\$350
A5005-5	MAL-PEG2000-NH2TFA,5g	Maleimide PEG Amine, TFA Salt, MW 2000	\$1,400
A5006-1	MAL-PEG3500-NH2TFA,1g	Maleimide PEG Amine, TFA Salt, MW 3500	\$350
A5006-5	MAL-PEG3500-NH2TFA,5g	Maleimide PEG Amine, TFA Salt, MW 3500	\$1,400
A5007-1	MAL-PEG5000-NH2TFA,1g	Maleimide PEG Amine, TFA Salt, MW 5000	\$350
A5007-5	MAL-PEG5000-NH2TFA,5g	Maleimide PEG Amine, TFA Salt, MW 5000	\$1,400

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5008-1	MAL-PEG7500-NH2TFA,1g	Maleimide PEG Amine, TFA Salt, MW 7500	\$350
*A5008-5	MAL-PEG7500-NH2TFA,5g	Maleimide PEG Amine, TFA Salt, MW 7500	\$1,400

MALEIMIDE PEG ACETIC ACID

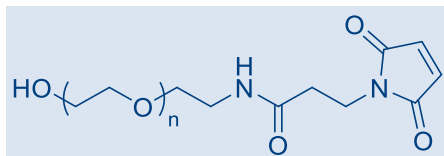


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5082-1	MAL-PEG2000-CM,1g	Maleimide PEG Acetic Acid, MW 2000	\$350
A5082-5	MAL-PEG2000-CM,5g	Maleimide PEG Acetic Acid, MW 2000	\$1,400
A5080-1	MAL-PEG3500-CM,1g	Maleimide PEG Acetic Acid, MW 3500	\$350
A5080-5	MAL-PEG3500-CM,5g	Maleimide PEG Acetic Acid, MW 3500	\$1,400
A5083-1	MAL-PEG5000-CM,1g	Maleimide PEG Acetic Acid, MW 5000	\$350
A5083-5	MAL-PEG5000-CM,5g	Maleimide PEG Acetic Acid, MW 5000	\$1,400

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5084-1	MAL-PEG7500-CM,1g	Maleimide PEG Acetic Acid, MW 7500	\$350
*A5084-5	MAL-PEG7500-CM,5g	Maleimide PEG Acetic Acid, MW 7500	\$1,400

MALEIMIDE PEG HYDROXYL

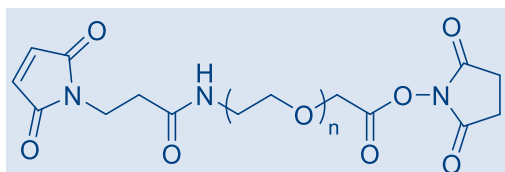


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5036-1	MAL-PEG5000-OH,1g	Maleimide PEG Hydroxyl, MW 5000	\$320
A5036-5	MAL-PEG5000-OH,5g	Maleimide PEG Hydroxyl, MW 5000	\$1,280

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5034-1	MAL-PEG2000-OH,1g	Maleimide PEG Hydroxyl, MW 2000	\$320
*A5034-5	MAL-PEG2000-OH,5g	Maleimide PEG Hydroxyl, MW 2000	\$1,280
*A5035-1	MAL-PEG3500-OH,1g	Maleimide PEG Hydroxyl, MW 3500	\$320
*A5035-5	MAL-PEG3500-OH,5g	Maleimide PEG Hydroxyl, MW 3500	\$1,280
*A5037-1	MAL-PEG7500-OH,1g	Maleimide PEG Hydroxyl, MW 7500	\$320
*A5037-5	MAL-PEG7500-OH,5g	Maleimide PEG Hydroxyl, MW 7500	\$1,280

MALEIMIDE PEG SUCCINIMIDYL CARBOXYMETHYL ESTER

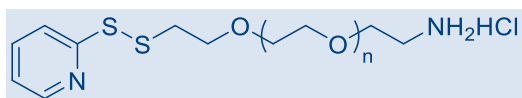


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5001-1	MAL-PEG2000-SCM,1g	Maleimide PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$450
A5001-5	MAL-PEG2000-SCM,5g	Maleimide PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$1,800
A5002-1	MAL-PEG3500-SCM,1g	Maleimide PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$425
A5002-5	MAL-PEG3500-SCM,5g	Maleimide PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$1,700
A5003-1	MAL-PEG5000-SCM,1g	Maleimide PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$425
A5003-5	MAL-PEG5000-SCM,5g	Maleimide PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$1,700

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5004-1	MAL-PEG7500-SCM,1g	Maleimide PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$425
*A5004-5	MAL-PEG7500-SCM,5g	Maleimide PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$1,700

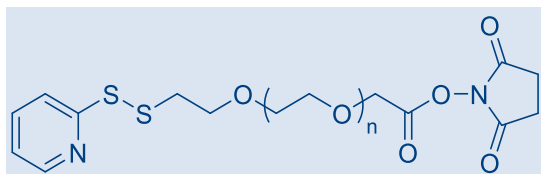
OPSS PEG AMINE



PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5245-1	OPSS-PEG3500-NH2HCl,1g	OPSS PEG Amine, HCl Salt, MW 3500	\$600
*A5245-5	OPSS-PEG3500-NH2HCl,5g	OPSS PEG Amine, HCl Salt, MW 3500	\$2,400

OPSS PEG SUCCINIMIDYL CARBOXYMETHYL ESTER



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5107-1	OPSS-PEG2000-SCM,1g	OPSS PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$500
A5107-5	OPSS-PEG2000-SCM,5g	OPSS PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$2,000

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5108-1	OPSS-PEG3500-SCM,1g	OPSS PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$500
*A5108-5	OPSS-PEG3500-SCM,5g	OPSS PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$2,000
*A5109-1	OPSS-PEG5000-SCM,1g	OPSS PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$500
*A5109-5	OPSS-PEG5000-SCM,5g	OPSS PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$2,000
*A5110-1	OPSS-PEG7500-SCM,1g	OPSS PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$500
*A5110-5	OPSS-PEG7500-SCM,5g	OPSS PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$2,000

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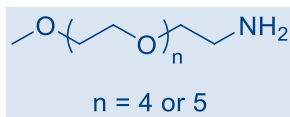
MONODISPERSE PEG DERIVATIVES

JenKem Technology's monodisperse PEG products are synthesized via very reproducible chemical reactions and lack the polydispersity of traditional PEG polymers. JenKem monodisperse PEGs retain the polyethylene glycol's good solubility in water, offering to PEGylated drugs same PEG benefits of reduced aggregation and immunogenicity, and increased hydrodynamic volume.

JenKem Technology catalog monodisperse PEG products consist of linear chains of five to twelve –CH₂-CH₂-O– units, and various terminal functional and reactive groups. Monodisperse PEG products with molecular weights, functional groups and branching not listed in our catalog may be available by custom synthesis. Please inquire at tech@jenkemusa.com about pricing and availability.

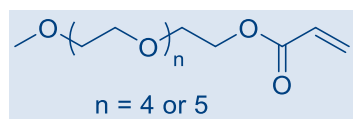
METHOXY MONODISPERSE PEG DERIVATIVES

METHOXY-PEG(5 OR 6)-AMINE



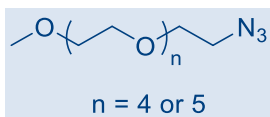
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A13020-1	M-PEG5-NH2,1g	Methoxy PEG5 Amine, MW 251.4	\$235
A13020-5	M-PEG5-NH2,5g	Methoxy PEG5 Amine, MW 251.4	\$500
A13001-1	M-PEG6-NH2,1g	Methoxy PEG6 Amine, MW 295.3	\$240
A13001-5	M-PEG6-NH2,5g	Methoxy PEG6 Amine, MW 295.3	\$525

METHOXY-PEG(5 OR 6)-ACRYLATE



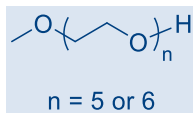
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A13005-1	M-PEG5-ACLT,1g	Methoxy PEG5 Acrylate, MW 306.3	\$400
A13005-5	M-PEG5-ACLT,5g	Methoxy PEG5 Acrylate, MW 306.3	\$1,600
A13007-1	M-PEG6-ACLT,1g	Methoxy PEG6 Acrylate, MW 350.4	\$400
A13007-5	M-PEG6-ACLT,5g	Methoxy PEG6 Acrylate, MW 350.4	\$1,600

METHOXY-PEG(5 OR 6)-AZIDE



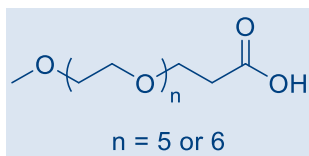
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A13016-1	M-PEG5-AZIDE,1g	Methoxy PEG5 Azide, MW 277.3	\$400
A13016-5	M-PEG5-AZIDE,5g	Methoxy PEG5 Azide, MW 277.3	\$1,600
A13017-1	M-PEG6-AZIDE,1g	Methoxy PEG6 Azide, MW 321.4	\$385
A13017-5	M-PEG6-AZIDE,5g	Methoxy PEG6 Azide, MW 321.4	\$1,280

METHOXY-PEG(5 OR 6)-HYDROXYL



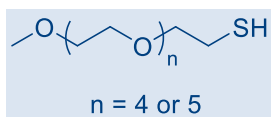
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
P12002-5	M-PEG5-OH,5g	Methoxy PEG5 Hydroxyl, MW 252.2	\$184
P12002-25	M-PEG5-OH,25g	Methoxy PEG5 Hydroxyl, MW 252.2	\$460
P12001-5	M-PEG6-OH,5g	Methoxy PEG6 Hydroxyl, MW 296.2	\$196
P12001-25	M-PEG6-OH,25g	Methoxy PEG6 Hydroxyl, MW 296.2	\$490

METHOXY-PEG(5 OR 6)-PROPIONIC ACID



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A13010-1	M-PEG5-PA,1g	Methoxy PEG5 Propionic Acid, MW 324.4	\$220
A13010-5	M-PEG5-PA,5g	Methoxy PEG5 Propionic Acid, MW 324.4	\$460
A13011-1	M-PEG6-PA,1g	Methoxy PEG6 Propionic Acid, MW 368.2	\$235
A13011-5	M-PEG6-PA,5g	Methoxy PEG6 Propionic Acid, MW 368.2	\$500

METHOXY-PEG(5 OR 6)-THIOL

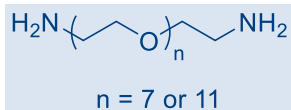


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A13012-1	M-PEG5-SH,1g	Methoxy PEG5 Thiol, MW 268.4	\$300
A13012-5	M-PEG5-SH,5g	Methoxy PEG5 Thiol, MW 268.4	\$1,000
A13013-1	M-PEG6-SH,1g	Methoxy PEG6 Thiol, MW 312.4	\$339
A13013-5	M-PEG6-SH,5g	Methoxy PEG6 Thiol, MW 312.4	\$1,130

Please inquire if the PEG derivative that you need is not listed in this catalog. We may still have your compound, as not all accessible functional groups and molecular weight combinations are listed in the catalog. In addition, we have chemists dedicated to developing new products and processes on a custom synthesis basis, under confidentiality if needed, and we would be glad to provide a quote for you for this service. Please call or email us at tech@jenkemusa.com.

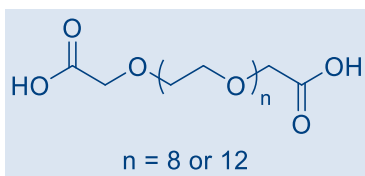
HOMOBIFUNCTIONAL MONODISPERSE PEG DERIVATIVES

AMINE PEG(8 OR 12) AMINE



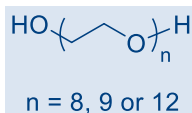
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A12011-1	NH2-PEG8-NH2,1g	Amine PEG8 Amine, MW 368.5	\$384
A12011-5	NH2-PEG8-NH2,5g	Amine PEG8 Amine, MW 368.5	\$1,280
A12012-1	NH2-PEG12-NH2,1g	Amine PEG12 Amine, MW 544.8	\$519
A12012-5	NH2-PEG12-NH2,5g	Amine PEG12 Amine, MW 544.8	\$1,730

ACETIC ACID PEG(8 OR 12) ACETIC ACID



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A12019-1	CM-PEG8-CM,1g	Acetic Acid PEG8 Acetic Acid, MW 486.5	\$444
A12019-5	CM-PEG8-CM,5g	Acetic Acid PEG8 Acetic Acid, MW 486.5	\$1,480
A12020-1	CM-PEG12-CM,1g	Acetic Acid PEG12 Acetic Acid, MW 662.7	\$468
A12020-5	CM-PEG12-CM,5g	Acetic Acid PEG12 Acetic Acid, MW 662.7	\$1,560

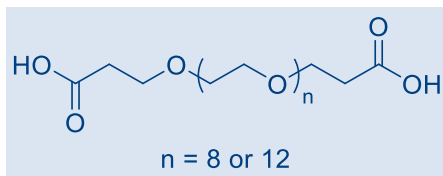
HYDROXYL-PEG(8 OR 9 OR 12)-HYDROXYL



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
P11002-5	HO-PEG8-OH,5g	Octaethylene Glycol, MW 370.5	\$225
P11002-25	HO-PEG8-OH,25g	Octaethylene Glycol, MW 370.5	\$476
P11003-5	HO-PEG9-OH,5g	Enneethylene glycol, MW 414.5	\$235
P11003-25	HO-PEG9-OH,25g	Enneethylene glycol, MW 414.5	\$490
P11004-5	HO-PEG12-OH,5g	Dodecaethylene glycol, MW 546.7	\$160
P11004-25	HO-PEG12-OH,25g	Dodecaethylene glycol, MW 546.7	\$500

Please inquire if the PEG derivative that you need is not listed in this catalog. We may still have your compound, as not all accessible functional groups and molecular weight combinations are listed in the catalog. In addition, we have chemists dedicated to developing new products and processes on a custom synthesis basis, under confidentiality if needed, and we would be glad to provide a quote for you for this service. Please call or email us at tech@jenkemusa.com.

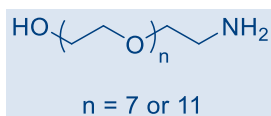
PROPIONIC ACID PEG(8 OR 12) PROPIONIC ACID



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A12026-1	PA-PEG8-PA,1g	Propionic Acid PEG8 Propionic Acid, MW 514.6	\$372
A12026-5	PA-PEG8-PA,5g	Propionic Acid PEG8 Propionic Acid, MW 514.6	\$1,240
A12018-1	PA-PEG12-PA,1g	Propionic Acid PEG12 Propionic Acid, MW 690.8	\$390
A12018-5	PA-PEG12-PA,5g	Propionic Acid PEG12 Propionic Acid, MW 690.8	\$1,300

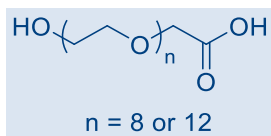
HETEROBIFUNCTIONAL MONODISPERSE PEG DERIVATIVES

HYDROXYL PEG(8 OR 12) AMINE



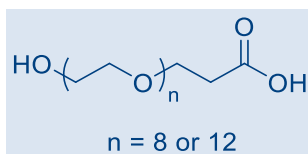
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A12008-1	HO-PEG8-NH2,1g	Hydroxyl PEG8 Amine, MW 369.5	\$324
A12008-5	HO-PEG8-NH2,5g	Hydroxyl PEG8 Amine, MW 369.5	\$1,080
A12009-1	HO-PEG12-NH2,1g	Hydroxyl PEG12 Amine, MW 545.8	\$519
A12009-5	HO-PEG12-NH2,5g	Hydroxyl PEG12 Amine, MW 545.8	\$1,730

HYDROXYL PEG(8 OR 12) ACETIC ACID



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A12014-1	HO-PEG8-CM,1g	Hydroxyl PEG8 Acetic Acid, MW 428.5	\$550
A12014-5	HO-PEG8-CM,5g	Hydroxyl PEG8 Acetic Acid, MW 428.5	\$2,200
A12015-1	HO-PEG12-CM,1g	Hydroxyl PEG12 Acetic Acid, MW 604.8	\$675
A12015-5	HO-PEG12-CM,5g	Hydroxyl PEG12 Acetic Acid, MW 604.8	\$2,700

HYDROXYL PEG(8 OR 12) PROPIONIC ACID



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A12002-1	HO-PEG8-PA,1g	Hydroxyl PEG8 Propionic Acid, MW 442.5	\$279
A12002-5	HO-PEG8-PA,5g	Hydroxyl PEG8 Propionic Acid, MW 442.5	\$930
A12003-1	HO-PEG12-PA,1g	Hydroxyl PEG12 Propionic Acid, MW 618.8	\$438
A12003-5	HO-PEG12-PA,5g	Hydroxyl PEG12 Propionic Acid, MW 618.8	\$1,460

MULTI-ARM PEG DERIVATIVES

JenKem Technology provides high quality activated multi-arm polyethylene glycol derivatives (PEGs) with high purity and low polydispersity.

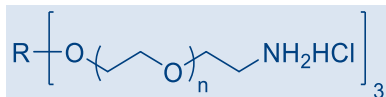
JenKem Technology's multi-arm homo-and hetero-functional PEG derivatives can be cross-linked into hydrogels. PEG hydrogels have a variety of applications in medical devices and regenerative medicine, and are especially of interest for controlled release of drugs, for 3D cell culture, and for wound sealing and healing. JenKem Technology's multi-arm heterofunctional PEG Derivatives are designed as linkers for Antibody-Drug Conjugates or ADCs, as they facilitate the coupling of high ratios of drug molecules per antibody. ADCs conjugated via multiarm PEGs deliver a higher concentration of drugs to targets for each antibody-antigen interaction, and exhibit improved solubility and PK/PD profile.

JenKem Technology's multi-arm star PEGs are synthesized by ethoxylation of glycerol (3ARM PEG), pentaerythritol (4ARM PEG), tripentaerythritol (8ARM(TP) PEG), hexaglycerol (8ARM PEG), or dipentaerythritol (6ARM PEG). The number of ethylene oxide units in the PEG chain may not be equal for all arms. The total molecular weight reported for the JenKem multi-arm PEGs is the sum of the molecular weights of the PEG chains for each arm.

Multi-arm star PEG products with molecular weights and functional groups not listed in our catalog may be available by custom synthesis. Please inquire at tech@jenkemusa.com about pricing and availability.

3ARM-PEG DERIVATIVES (GLYCEROL CORE)

3ARM-PEG-AMINE

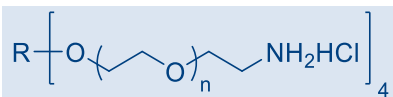


R = Glycerol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A9027-1	3ARM-NH2HCl-15K,1g	3arm PEG Amine (glycerol), HCl salt, MW 15000	\$60
A9027-10	3ARM-NH2HCl-15K,10g	3arm PEG Amine (glycerol), HCl salt, MW 15000	\$480
A9028-1	3ARM-NH2HCl-20K,1g	3arm PEG Amine (glycerol), HCl salt, MW 20000	\$60
A9028-10	3ARM-NH2HCl-20K,10g	3arm PEG Amine (glycerol), HCl salt, MW 20000	\$480

4ARM-PEG DERIVATIVES (PENTAERYTHRITOL CORE)

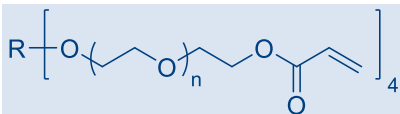
4ARM PEG AMINE (PENTAERYTHRITOL)



R = Pentaerythritol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A7032F-1	4ARM-NH2-2000,1g	4arm PEG Amine (pentaerythritol), Free Amine, MW 2000	\$70
A7032F-10	4ARM-NH2-2000,10g	4arm PEG Amine (pentaerythritol), Free Amine, MW 2000	\$560
A7020-1	4ARM-NH2HCl-5000,1g	4arm PEG Amine (pentaerythritol), HCl Salt, MW 5000	\$50
A7020-10	4ARM-NH2HCl-5000,10g	4arm PEG Amine (pentaerythritol), HCl Salt, MW 5000	\$400
A7011-1	4ARM-NH2HCl-10K,1g	4arm PEG Amine (pentaerythritol), HCl Salt, MW 10000	\$50
A7011-10	4ARM-NH2HCl-10K,10g	4arm PEG Amine (pentaerythritol), HCl Salt, MW 10000	\$400
A7026-1	4ARM-NH2HCl-20K,1g	4arm PEG Amine (pentaerythritol), HCl Salt, MW 20000	\$50
A7026-10	4ARM-NH2HCl-20K,10g	4arm PEG Amine (pentaerythritol), HCl Salt, MW 20000	\$400
A7024-1	4ARM-NH2HCl-40K,1g	4arm PEG Amine (pentaerythritol), HCl Salt, MW 40000	\$60
A7024-10	4ARM-NH2HCl-40K,10g	4arm PEG Amine (pentaerythritol), HCl Salt, MW 40000	\$480

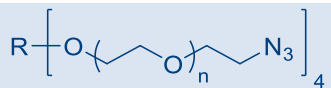
4ARM PEG ACRYLATE (PENTAERYTHRITOL)



R = Pentaerythritol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A7068-1	4ARM-ACLT-10K,1g	4arm PEG Acrylate (pentaerythritol), MW 10000	\$80
A7068-10	4ARM-ACLT-10K,10g	4arm PEG Acrylate (pentaerythritol), MW 10000	\$640
A7034-1	4ARM-ACLT-20K,1g	4arm PEG Acrylate (pentaerythritol), MW 20000	\$80
A7034-10	4ARM-ACLT-20K,10g	4arm PEG Acrylate (pentaerythritol), MW 20000	\$640

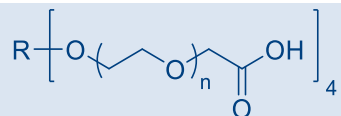
4ARM PEG AZIDE (PENTAERYTHRITOL)



R = Pentaerythritol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A7163-1	4ARM-AZIDE-10K,1g	4arm PEG Azide (pentaerythritol), MW 10000	\$130
A7163-10	4ARM-AZIDE-10K,10g	4arm PEG Azide (pentaerythritol), MW 10000	\$1,040
A7185-1	4ARM-AZIDE-20K,1g	4arm PEG Azide (pentaerythritol), MW 20000	\$130
A7185-10	4ARM-AZIDE-20K,10g	4arm PEG Azide (pentaerythritol), MW 20000	\$1,040

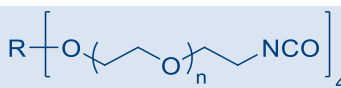
4ARM PEG ACETIC ACID (PENTAERYTHRITOL)



R = Pentaerythritol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A7109-1	4ARM-CM-5000,1g	4arm PEG Acetic Acid (pentaerythritol), MW 5000	\$100
A7109-10	4ARM-CM-5000,10g	4arm PEG Acetic Acid (pentaerythritol), MW 5000	\$800
A7027-1	4ARM-CM-10K,1g	4arm PEG Acetic Acid (pentaerythritol), MW 10000	\$100
A7027-10	4ARM-CM-10K,10g	4arm PEG Acetic Acid (pentaerythritol), MW 10000	\$800
A7028-1	4ARM-CM-20K,1g	4arm PEG Acetic Acid (pentaerythritol), MW 20000	\$100
A7028-10	4ARM-CM-20K,10g	4arm PEG Acetic Acid (pentaerythritol), MW 20000	\$800
A7066-1	4ARM-CM-40K,1g	4arm PEG Acetic Acid (pentaerythritol), MW 40000	\$110
A7066-10	4ARM-CM-40K,10g	4arm PEG Acetic Acid (pentaerythritol), MW 40000	\$880

4ARM PEG ISOCYANATE (PENTAERYTHRITOL)

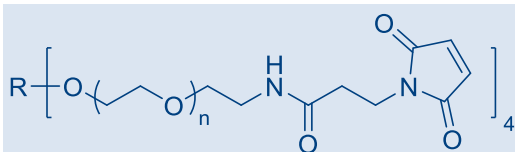


R = Pentaerythritol core structure

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A7106-1	4ARM-NCO-10K,1g	4arm PEG Isocyanate (pentaerythritol), MW 10000	\$150
*A7106-10	4ARM-NCO-10K,10g	4arm PEG Isocyanate (pentaerythritol), MW 10000	\$1,200
*A7111-1	4ARM-NCO-20K,1g	4arm PEG Isocyanate (pentaerythritol), MW 20000	\$150
*A7111-10	4ARM-NCO-20K,10g	4arm PEG Isocyanate (pentaerythritol), MW 20000	\$1,200

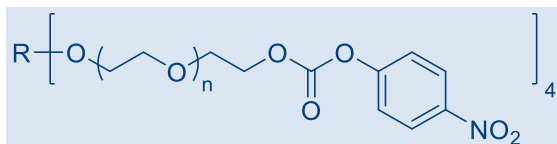
4ARM PEG MALEIMIDE (PENTAERYTHRITOL)



R = Pentaerythritol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A7018-1	4ARM-MAL-10K,1g	4arm PEG Maleimide (pentaerythritol), MW 10000	\$130
A7018-10	4ARM-MAL-10K,10g	4arm PEG Maleimide (pentaerythritol), MW 10000	\$1040
A7029-1	4ARM-MAL-20K,1g	4arm PEG Maleimide (pentaerythritol), MW 20000	\$130
A7029-10	4ARM-MAL-20K,10g	4arm PEG Maleimide (pentaerythritol), MW 20000	\$1040
A7067-1	4ARM-MAL-40K,1g	4arm PEG Maleimide (pentaerythritol), MW 40000	\$140
A7067-10	4ARM-MAL-40K,10g	4arm PEG Maleimide (pentaerythritol), MW 40000	\$1,120

4ARM PEG NITROPHENYL CARBONATE (PENTAERYTHRITOL)

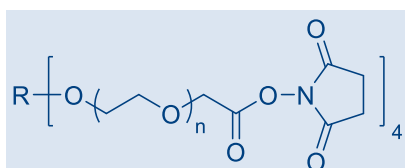


R = Pentaerythritol core structure

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A7080-1	4ARM-NPC-10K,1g	4arm PEG Nitrophenyl Carbonate (pentaerythritol), MW 10000	\$90
*A7080-10	4ARM-NPC-10K,10g	4arm PEG Nitrophenyl Carbonate (pentaerythritol), MW 10000	\$720

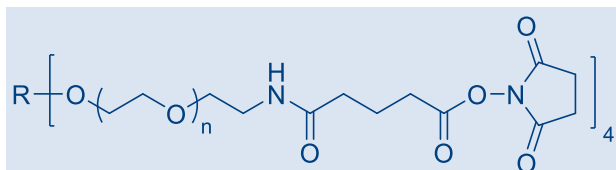
4ARM PEG SUCCINIMIDYL CARBOXYMETHYL ESTER (PENTAERYTHRITOL)



R = Pentaerythritol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A7014-1	4ARM-SCM-5000,1g	4arm PEG Succinimidyl Carboxymethyl Ester (pentaerythritol), MW 5000	\$110
A7014-10	4ARM-SCM-5000,10g	4arm PEG Succinimidyl Carboxymethyl Ester (pentaerythritol), MW 5000	\$880
A7015-1	4ARM-SCM-10K,1g	4arm PEG Succinimidyl Carboxymethyl Ester (pentaerythritol), MW 10000	\$110
A7015-10	4ARM-SCM-10K,10g	4arm PEG Succinimidyl Carboxymethyl Ester (pentaerythritol), MW 10000	\$880
A7038-1	4ARM-SCM-20K,1g	4arm PEG Succinimidyl Carboxymethyl Ester (pentaerythritol), MW 20000	\$110
A7038-10	4ARM-SCM-20K,10g	4arm PEG Succinimidyl Carboxymethyl Ester (pentaerythritol), MW 20000	\$880
A7070-1	4ARM-SCM-40K,1g	4arm PEG Succinimidyl Carboxymethyl Ester (pentaerythritol), MW 40000	\$120
A7070-10	4ARM-SCM-40K,10g	4arm PEG Succinimidyl Carboxymethyl Ester (pentaerythritol), MW 40000	\$960

4ARM PEG SUCCINIMIDYL GLUTARAMIDE (PENTAERYTHRITOL)



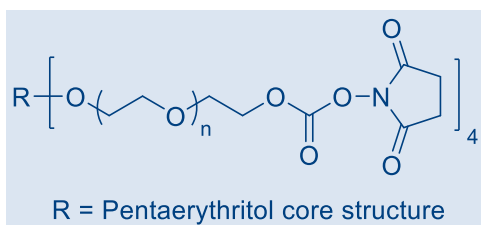
R = Pentaerythritol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A7013-1	4ARM-SGA-20K,1g	4arm PEG Succinimidyl Glutaramide (pentaerythritol), MW 20000	\$120
A7013-10	4ARM-SGA-20K,10g	4arm PEG Succinimidyl Glutaramide (pentaerythritol), MW 20000	\$960

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A7110-1	4ARM-SGA-10K,1g	4arm PEG Succinimidyl Glutaramide (pentaerythritol), MW 10000	\$120
*A7110-10	4ARM-SGA-10K,10g	4arm PEG Succinimidyl Glutaramide (pentaerythritol), MW 10000	\$960

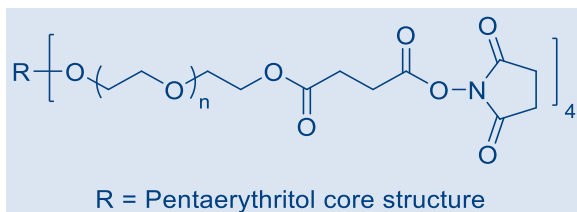
4ARM PEG SUCCINIMIDYL CARBONATE (PENTAERYTHRITOL)



PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A7184-1	4ARM-SC-10K,1g	4ARM PEG Succinimidyl Carbonate (pentaerythritol), MW 10000	\$120
*A7184-10	4ARM-SC-10K,10g	4ARM PEG Succinimidyl Carbonate (pentaerythritol), MW 10000	\$960

4ARM PEG SUCCINIMIDYL SUCCINATE (PENTAERYTHRITOL)

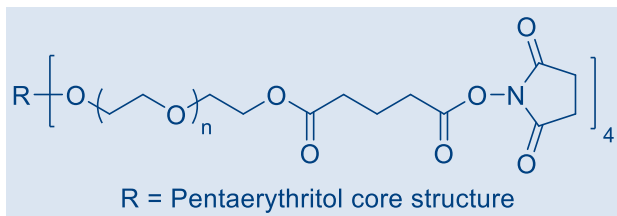


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A7006-1	4ARM-SS-10K,1g	4arm PEG Succinimidyl Succinate (pentaerythritol), MW 10000	\$80
A7006-10	4ARM-SS-10K,10g	4arm PEG Succinimidyl Succinate (pentaerythritol), MW 10000	\$640
A7030-1	4ARM-SS-20K,1g	4arm PEG Succinimidyl Succinate (pentaerythritol), MW 20000	\$80
A7030-10	4ARM-SS-20K,10g	4arm PEG Succinimidyl Succinate (pentaerythritol), MW 20000	\$640

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A7069-1	4ARM-SS-40K,1g	4arm PEG Succinimidyl Succinate (pentaerythritol), MW 40000	\$90
*A7069-10	4ARM-SS-40K,10g	4arm PEG Succinimidyl Succinate (pentaerythritol), MW 40000	\$720

4ARM PEG SUCCINIMIDYL GLUTARATE (PENTAERYTHRITOL)

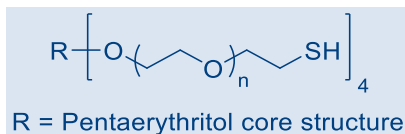


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A7031-1	4ARM-SG-10K,1g	4arm PEG Succinimidyl Glutarate (pentaerythritol), MW 10000	\$80
A7031-10	4ARM-SG-10K,10g	4arm PEG Succinimidyl Glutarate (pentaerythritol), MW 10000	\$640
A7010-1	4ARM-SG-20K,1g	4arm PEG Succinimidyl Glutarate (pentaerythritol), MW 20000	\$80
A7010-10	4ARM-SG-20K,10g	4arm PEG Succinimidyl Glutarate (pentaerythritol), MW 20000	\$640

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

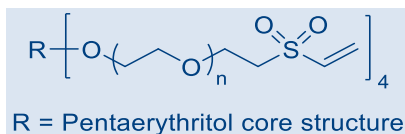
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A7017-1	4ARM-SG-40K,1g	4arm PEG Succinimidyl Glutarate (pentaerythritol), MW 40000	\$90
*A7017-10	4ARM-SG-40K,10g	4arm PEG Succinimidyl Glutarate (pentaerythritol), MW 40000	\$720

4ARM PEG THIOL (PENTAERYTHRITOL)



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A7002-1	4ARM-SH-5000,1g	4arm PEG Thiol (pentaerythritol), MW 5000	\$80
A7002-10	4ARM-SH-5000,10g	4arm PEG Thiol (pentaerythritol), MW 5000	\$640
A7008-1	4ARM-SH-10K,1g	4arm PEG Thiol (pentaerythritol), MW 10000	\$80
A7008-10	4ARM-SH-10K,10g	4arm PEG Thiol (pentaerythritol), MW 10000	\$640
A7039-1	4ARM-SH-20K,1g	4arm PEG Thiol (pentaerythritol), MW 20000	\$80
A7039-10	4ARM-SH-20K,10g	4arm PEG Thiol (pentaerythritol), MW 20000	\$640

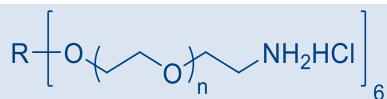
4ARM PEG VINYLSULFONE (PENTAERYTHRITOL)



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A7005-1	4ARM-VS-10K,1g	4arm PEG Vinylsulfone (pentaerythritol), MW 10000	\$150
A7005-10	4ARM-VS-10K,10g	4arm PEG Vinylsulfone (pentaerythritol), MW 10000	\$1,200
A7025-1	4ARM-VS-20K,1g	4arm PEG Vinylsulfone (pentaerythritol), MW 20000	\$150
A7025-10	4ARM-VS-20K,10g	4arm PEG Vinylsulfone (pentaerythritol), MW 20000	\$1,200

6ARM-PEG DERIVATIVES (DIPENTAERYTHRITOL)

6ARM PEG AMINE (DIPENTAERYTHRITOL)



R = Dipentaerythritol core structure

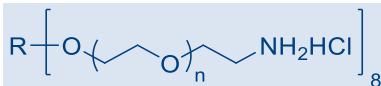
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A9005-1	6ARM(DP)-NH2HCl-15K,1g	6arm PEG Amine (dipentaerythritol), HCl salt, MW 15000	\$80
A9005-10	6ARM(DP)-NH2HCl-15K,10g	6arm PEG Amine (dipentaerythritol), HCl salt, MW 15000	\$640

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A9026-1	6ARM(DP)-NH2HCl-30K,1g	6arm PEG Amine (dipentaerythritol), HCl salt, MW 30000	\$80
*A9026-10	6ARM(DP)-NH2HCl-30K,10g	6arm PEG Amine (dipentaerythritol), HCl salt, MW 30000	\$640

8ARM-PEG DERIVATIVES (HEXAGLYCEROL CORE)

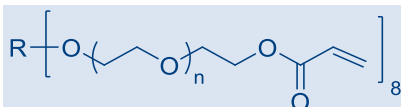
8ARM PEG AMINE (HEXAGLYCEROL)



R = Hexaglycerol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A8008-1	8ARM-NH2HCl-10K,1g	8arm PEG Amine (hexaglycerol), HCl Salt, MW 10000	\$50
A8008-10	8ARM-NH2HCl-10K,10g	8arm PEG Amine (hexaglycerol), HCl Salt, MW 10000	\$400
A8009-1	8ARM-NH2HCl-20K,1g	8arm PEG Amine (hexaglycerol), HCl Salt, MW 20000	\$50
A8009-10	8ARM-NH2HCl-20K,10g	8arm PEG Amine (hexaglycerol), HCl Salt, MW 20000	\$400
A8012-1	8ARM-NH2HCl-40K,1g	8arm PEG Amine (hexaglycerol), HCl Salt, MW 40000	\$50
A8012-10	8ARM-NH2HCl-40K,10g	8arm PEG Amine (hexaglycerol), HCl Salt, MW 40000	\$400

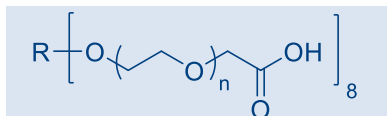
8ARM PEG ACRYLATE (HEXAGLYCEROL)



R = Hexaglycerol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A8002-1	8ARM-ACLT-10K,1g	8arm PEG Acrylate (hexaglycerol), MW 10000	\$80
A8002-10	8ARM-ACLT-10K,10g	8arm PEG Acrylate (hexaglycerol), MW 10000	\$640
A8005-1	8ARM-ACLT-20K,1g	8arm PEG Acrylate (hexaglycerol), MW 20000	\$80
A8005-10	8ARM-ACLT-20K,10g	8arm PEG Acrylate (hexaglycerol), MW 20000	\$640

8ARM PEG ACETIC ACID (HEXAGLYCEROL)

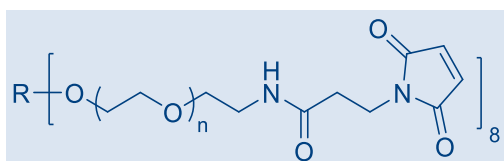


R = Hexaglycerol core structure

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A8016-1	8ARM-CM-10K,1g	8arm PEG Acetic Acid (hexaglycerol), MW 10000	\$100
*A8016-10	8ARM-CM-10K,10g	8arm PEG Acetic Acid (hexaglycerol), MW 10000	\$800
*A8017-1	8ARM-CM-20K,1g	8arm PEG Acetic Acid (hexaglycerol), MW 20000	\$100
*A8017-10	8ARM-CM-20K,10g	8arm PEG Acetic Acid (hexaglycerol), MW 20000	\$800
*A8018-1	8ARM-CM-40K,1g	8arm PEG Acetic Acid (hexaglycerol), MW 40000	\$110
*A8018-10	8ARM-CM-40K,10g	8arm PEG Acetic Acid (hexaglycerol), MW 40000	\$880

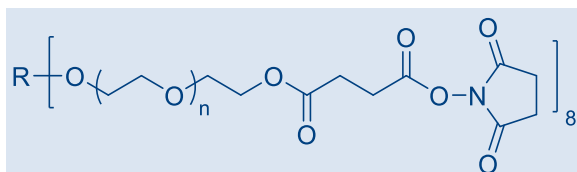
8ARM PEG MALEIMIDE (HEXAGLYCEROL)



R = Hexaglycerol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A8027-1	8ARM-MAL-10K,1g	8arm PEG Maleimide (hexaglycerol), MW 10000	\$130
A8027-10	8ARM-MAL-10K,10g	8arm PEG Maleimide (hexaglycerol), MW 10000	\$1040
A8028-1	8ARM-MAL-20K,1g	8arm PEG Maleimide (hexaglycerol), MW 20000	\$130
A8028-10	8ARM-MAL-20K,10g	8arm PEG Maleimide (hexaglycerol), MW 20000	\$1040
A8029-1	8ARM-MAL-40K,1g	8arm PEG Maleimide (hexaglycerol), MW 40000	\$140
A8029-10	8ARM-MAL-40K,10g	8arm PEG Maleimide (hexaglycerol), MW 40000	\$1,120

8ARM PEG SUCCINIMIDYL SUCCINATE (HEXAGLYCEROL)

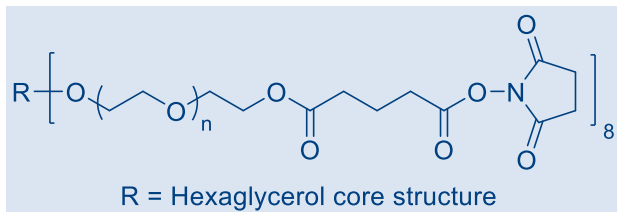


R = Hexaglycerol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A8019-1	8ARM-SS-10K,1g	8arm PEG Succinimidyl Succinate (hexaglycerol), MW 10000	\$80
A8019-10	8ARM-SS-10K,10g	8arm PEG Succinimidyl Succinate (hexaglycerol), MW 10000	\$640
A8010-1	8ARM-SS-15K,1g	8arm PEG Succinimidyl Succinate (hexaglycerol), MW 15000	\$80
A8010-10	8ARM-SS-15K,10g	8arm PEG Succinimidyl Succinate (hexaglycerol), MW 15000	\$640

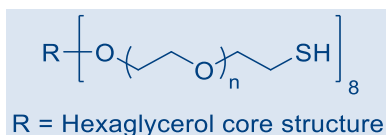
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A8020-1	8ARM-SS-20K,1g	8arm PEG Succinimidyl Succinate (hexaglycerol), MW 20000	\$80
A8020-10	8ARM-SS-20K,10g	8arm PEG Succinimidyl Succinate (hexaglycerol), MW 20000	\$640
A8021-1	8ARM-SS-40K,1g	8arm PEG Succinimidyl Succinate (hexaglycerol), MW 40000	\$90
A8021-10	8ARM-SS-40K,10g	8arm PEG Succinimidyl Succinate (hexaglycerol), MW 40000	\$720

8ARM PEG SUCCINIMIDYL GLUTARATE (HEXAGLYCEROL)



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A8013-1	8ARM-SG-10K,1g	8arm PEG Succinimidyl Glutarate (hexaglycerol), MW 10000	\$80
A8013-10	8ARM-SG-10K,10g	8arm PEG Succinimidyl Glutarate (hexaglycerol), MW 10000	\$640
A8001-1	8ARM-SG-15K,1g	8arm PEG Succinimidyl Glutarate (hexaglycerol), MW 15000	\$80
A8001-10	8ARM-SG-15K,10g	8arm PEG Succinimidyl Glutarate (hexaglycerol), MW 15000	\$640
A8022-1	8ARM-SG-20K,1g	8arm PEG Succinimidyl Glutarate (hexaglycerol), MW 20000	\$80
A8022-10	8ARM-SG-20K,10g	8arm PEG Succinimidyl Glutarate (hexaglycerol), MW 20000	\$640
A8023-1	8ARM-SG-40K,1g	8arm PEG Succinimidyl Glutarate (hexaglycerol), MW 40000	\$90
A8023-10	8ARM-SG-40K,10g	8arm PEG Succinimidyl Glutarate (hexaglycerol), MW 40000	\$720

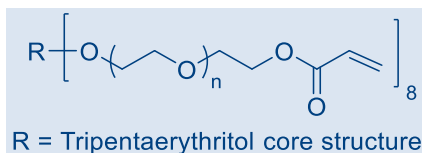
8ARM PEG THIOL (HEXAGLYCEROL)



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A8004-1	8ARM-SH-10K,1g	8arm PEG Thiol (hexaglycerol), MW 10000	\$120
A8004-10	8ARM-SH-10K,10g	8arm PEG Thiol (hexaglycerol), MW 10000	\$960
A8007-1	8ARM-SH-20K,1g	8arm PEG Thiol (hexaglycerol), MW 20000	\$80
A8007-10	8ARM-SH-20K,10g	8arm PEG Thiol (hexaglycerol), MW 20000	\$640

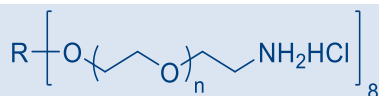
8ARM-PEG DERIVATIVES (TRIPENTAERYTHRITOL CORE)

8ARM PEG ACRYLATE (TRIPENTAERYTHRITOL)



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A10021-1	8ARM(TP)-ACLT-10K,1g	8arm PEG Acrylate (tripentaerythritol), MW 10000	\$80
A10021-10	8ARM(TP)-ACLT-10K,10g	8arm PEG Acrylate (tripentaerythritol), MW 10000	\$640
A10016-1	8ARM(TP)-ACLT-20K,1g	8arm PEG Acrylate (tripentaerythritol), MW 20000	\$80
A10016-10	8ARM(TP)-ACLT-20K,10g	8arm PEG Acrylate (tripentaerythritol), MW 20000	\$640

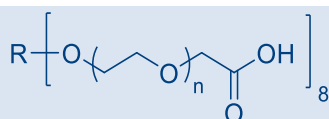
8ARM PEG AMINE (TRIPENTAERYTHRITOL)



R = Tripentaerythritol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A10001-1	8ARM(TP)-NH2HCl-10K,1g	8arm PEG Amine (tripentaerythritol), HCl Salt, MW 10000	\$50
A10001-10	8ARM(TP)-NH2HCl-10K,10g	8arm PEG Amine (tripentaerythritol), HCl Salt, MW 10000	\$400
A10002-1	8ARM(TP)-NH2HCl-20K,1g	8arm PEG Amine (tripentaerythritol), HCl Salt, MW 20000	\$50
A10002-10	8ARM(TP)-NH2HCl-20K,10g	8arm PEG Amine (tripentaerythritol), HCl Salt, MW 20000	\$400
A10003-1	8ARM(TP)-NH2HCl-40K,1g	8arm PEG Amine (tripentaerythritol), HCl Salt, MW 40000	\$50
A10003-10	8ARM(TP)-NH2HCl-40K,10g	8arm PEG Amine (tripentaerythritol), HCl Salt, MW 40000	\$400

8ARM PEG ACETIC ACID (TRIPENTAERYTHRITOL)

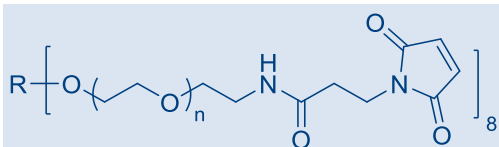


R = Tripentaerythritol core structure

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A10004-1	8ARM(TP)-CM-10K,1g	8arm PEG Acetic Acid (tripentaerythritol), MW 10000	\$100
*A10004-10	8ARM(TP)-CM-10K,10g	8arm PEG Acetic Acid (tripentaerythritol), MW 10000	\$800
*A10005-1	8ARM(TP)-CM-20K,1g	8arm PEG Acetic Acid (tripentaerythritol), MW 20000	\$100
*A10005-10	8ARM(TP)-CM-20K,10g	8arm PEG Acetic Acid (tripentaerythritol), MW 20000	\$800
*A10006-1	8ARM(TP)-CM-40K,1g	8arm PEG Acetic Acid (tripentaerythritol), MW 40000	\$110
*A10006-10	8ARM(TP)-CM-40K,10g	8arm PEG Acetic Acid (tripentaerythritol), MW 40000	\$880

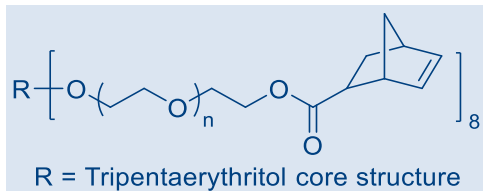
8ARM PEG MALEIMIDE (TRIPENTAERYTHRITOL)



R = Tripentaerythritol core structure

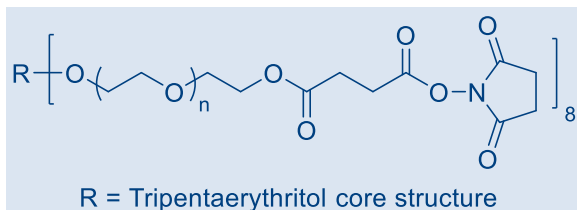
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A10018-1	8ARM(TP)-MAL-10K,1g	8arm PEG Maleimide (tripentaerythritol), MW 10000	\$130
A10018-10	8ARM(TP)-MAL-10K,10g	8arm PEG Maleimide (tripentaerythritol), MW 10000	\$1,040
A10019-1	8ARM(TP)-MAL-20K,1g	8arm PEG Maleimide (tripentaerythritol), MW 20000	\$130
A10019-10	8ARM(TP)-MAL-20K,10g	8arm PEG Maleimide (tripentaerythritol), MW 20000	\$1,040
A10020-1	8ARM(TP)-MAL-40K,1g	8arm PEG Maleimide (tripentaerythritol), MW 40000	\$140
A10020-10	8ARM(TP)-MAL-40K,10g	8arm PEG Maleimide (tripentaerythritol), MW 40000	\$1,120

8ARM PEG NORBORNENE (TRIPENTAERYTHRITOL)



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A10037-1	8ARM(TP)-NB-20K,1g	8arm PEG Norbornene (tripentaerythritol), MW 20000	\$150
A10037-10	8ARM(TP)-NB-20K,10g	8arm PEG Norbornene (tripentaerythritol), MW 20000	\$1,200

8ARM PEG SUCCINIMIDYL SUCCINATE (TRIPENTAERYTHRITOL)



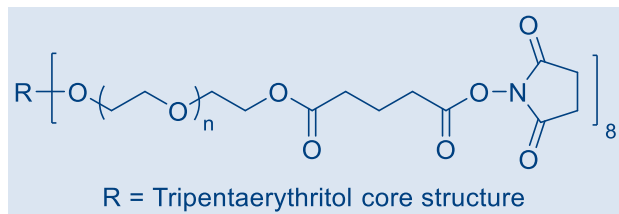
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A10007-1	8ARM(TP)-SS-10K,1g	8arm PEG Succinimidyl Succinate (tripentaerythritol), MW 10000	\$80
A10007-10	8ARM(TP)-SS-10K,10g	8arm PEG Succinimidyl Succinate (tripentaerythritol), MW 10000	\$640

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A10028-1	8ARM(TP)-SS-15K,1g	8arm PEG Succinimidyl Succinate (tripentaerythritol), MW 15000	\$80
*A10028-10	8ARM(TP)-SS-15K,10g	8arm PEG Succinimidyl Succinate (tripentaerythritol), MW 15000	\$640
*A10008-1	8ARM(TP)-SS-20K,1g	8arm PEG Succinimidyl Succinate (tripentaerythritol), MW 20000	\$80
*A10008-10	8ARM(TP)-SS-20K,10g	8arm PEG Succinimidyl Succinate (tripentaerythritol), MW 20000	\$640
*A10009-1	8ARM(TP)-SS-40K,1g	8arm PEG Succinimidyl Succinate (tripentaerythritol), MW 40000	\$90
*A10009-10	8ARM(TP)-SS-40K,10g	8arm PEG Succinimidyl Succinate (tripentaerythritol), MW 40000	\$720

Please inquire if the PEG derivative that you need is not listed in this catalog. We may still have your compound, as not all accessible functional groups and molecular weight combinations are listed in the catalog. In addition, we have chemists dedicated to developing new products and processes on a custom synthesis basis, under confidentiality if needed, and we would be glad to provide a quote for you for this service. Please call or email us at tech@jenkemusa.com.

8ARM PEG SUCCINIMIDYL GLUTARATE (TRIPENTAERYTHRITOL)

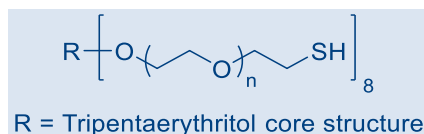


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A10010-1	8ARM(TP)-SG-10K,1g	8arm PEG Succinimidyl Glutarate (tripentaerythritol), MW 10000	\$80
A10010-10	8ARM(TP)-SG-10K,10g	8arm PEG Succinimidyl Glutarate (tripentaerythritol), MW 10000	\$640
A10012-1	8ARM(TP)-SG-20K,1g	8arm PEG Succinimidyl Glutarate (tripentaerythritol), MW 20000	\$80
A10012-10	8ARM(TP)-SG-20K,10g	8arm PEG Succinimidyl Glutarate (tripentaerythritol), MW 20000	\$640

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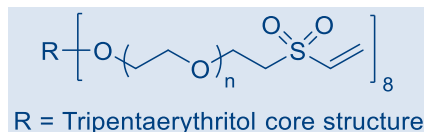
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A10011-1	8ARM(TP)-SG-15K,1g	8arm PEG Succinimidyl Glutarate (tripentaerythritol), MW 15000	\$80
*A10011-10	8ARM(TP)-SG-15K,10g	8arm PEG Succinimidyl Glutarate (tripentaerythritol), MW 15000	\$640
*A10013-1	8ARM(TP)-SG-40K,1g	8arm PEG Succinimidyl Glutarate (tripentaerythritol), MW 40000	\$90
*A10013-10	8ARM(TP)-SG-40K,10g	8arm PEG Succinimidyl Glutarate (tripentaerythritol), MW 40000	\$720

8ARM PEG THIOL (TRIPENTAERYTHRITOL)



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A10022-1	8ARM(TP)-SH-10K,1g	8arm PEG Thiol (tripentaerythritol), MW 10000	\$120
A10022-10	8ARM(TP)-SH-10K,10g	8arm PEG Thiol (tripentaerythritol), MW 10000	\$960
A10023-1	8ARM(TP)-SH-20K,1g	8arm PEG Thiol (tripentaerythritol), MW 20000	\$80
A10023-10	8ARM(TP)-SH-20K,10g	8arm PEG Thiol (tripentaerythritol), MW 20000	\$640

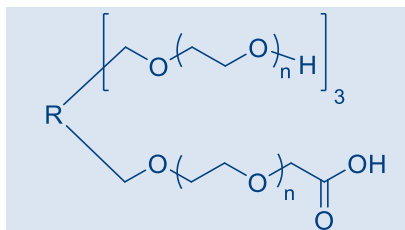
8ARM PEG VINYL SULFONE (TRIPENTAERYTHRITOL)



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A10033-1	8ARM(TP)-VS-10K,1g	8arm PEG Vinylsulfone (tripentaerythritol), MW 10000	\$150
A10033-10	8ARM(TP)-VS-10K,10g	8arm PEG Vinylsulfone (tripentaerythritol), MW 10000	\$1,200
A10034-1	8ARM(TP)-VS-20K,1g	8arm PEG Vinylsulfone (tripentaerythritol), MW 20000	\$150
A10034-10	8ARM(TP)-VS-20K,10g	8arm PEG Vinylsulfone (tripentaerythritol), MW 20000	\$1,200
A10047-1	8ARM(TP)-VS-40K,1g	8arm PEG Vinylsulfone (tripentaerythritol), MW 40000	\$150
A10047-10	8ARM(TP)-VS-40K,10g	8arm PEG Vinylsulfone (tripentaerythritol), MW 40000	\$1,200

MULTI-ARM HETEROBIFUNCTIONAL PEG DERIVATIVES

(HO)3-4ARMPEG-CM

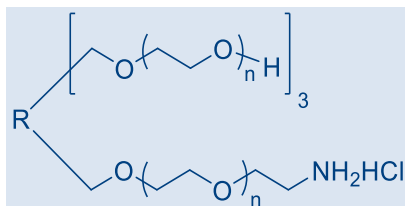


R = Pentaerythritol core structure

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A7147-1	(HO)3-4ARMPEG3000-CM,1g	4arm PEG, 3arm-Hydroxyl, 1arm-Acetic Acid, MW 3000	\$450
*A7147-5	(HO)3-4ARMPEG3000-CM,5g	4arm PEG, 3arm-Hydroxyl, 1arm-Acetic Acid, MW 3000	\$1,800
*A7142-1	(HO)3-4ARMPEG5000-CM,1g	4arm PEG, 3arm-Hydroxyl, 1arm-Acetic Acid, MW 5000	\$300
*A7142-5	(HO)3-4ARMPEG5000-CM,5g	4arm PEG, 3arm-Hydroxyl, 1arm-Acetic Acid, MW 5000	\$1,200
*A7047-1	(HO)3-4ARMPEG10K-CM,1g	4arm PEG, 3arm-Hydroxyl, 1arm-Acetic Acid, MW 10000	\$300
*A7047-5	(HO)3-4ARMPEG10K-CM,5g	4arm PEG, 3arm-Hydroxyl, 1arm-Acetic Acid, MW 10000	\$1,200

(HO)3-4ARMPEG-NH2HCL



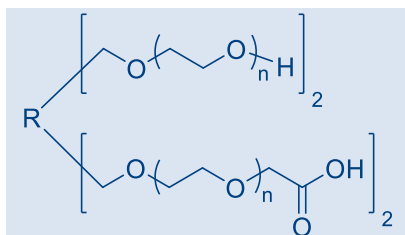
R = Pentaerythritol core structure

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A7081-1	(HO)3-4ARMPEG10K-NH2HCL,1g	4arm PEG, 3arm-Hydroxyl, 1arm-Amine, HCl salt, MW 10000	\$500
*A7081-5	(HO)3-4ARMPEG10K-NH2HCL,5g	4arm PEG, 3arm-Hydroxyl, 1arm-Amine, HCl salt, MW 10000	\$2,000
*A7148-1	(HO)3-4ARMPEG20K-NH2HCL,1g	4arm PEG, 3arm-Hydroxyl, 1arm-Amine, HCl salt, MW 20000	\$550
*A7148-5	(HO)3-4ARMPEG20K-NH2HCL,5g	4arm PEG, 3arm-Hydroxyl, 1arm-Amine, HCl salt, MW 20000	\$2,200

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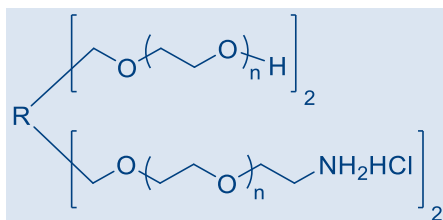
(HO)2-4ARMPEG-(CM)2



R = Pentaerythritol core structure

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A7048-1	(HO)2-4ARMPEG10K-(CM)2,1g	4arm PEG, 2arm-Hydroxyl, 2arm-Acetic Acid, MW 10000	\$350
*A7048-5	(HO)2-4ARMPEG10K-(CM)2,5g	4arm PEG, 2arm-Hydroxyl, 2arm-Acetic Acid, MW 10000	\$1,400

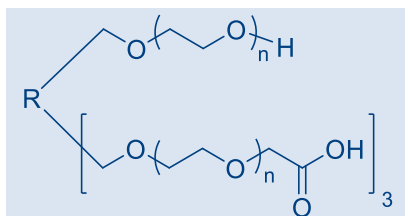
(HO)2-4ARMPEG-(NH₂HCL)2

R = Pentaerythritol core structure

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A7077-1	(HO)2-4ARMPEG10K-(NH ₂ HCl)2,1g	4arm-PEG, 2arm-Hydroxyl, 2arm-Amine, HCl Salt, MW 10000	\$700
*A7077-5	(HO)2-4ARMPEG10K-(NH ₂ HCl)2,5g	4arm-PEG, 2arm-Hydroxyl, 2arm-Amine, HCl Salt, MW 10000	\$2,800
*A7149-1	(HO)2-4ARMPEG20K-(NH ₂ HCl)2,1g	4arm PEG, 2arm-Hydroxyl, 2arm-Amine, HCl salt, MW 20000	\$750
*A7149-5	(HO)2-4ARMPEG20K-(NH ₂ HCl)2,5g	4arm PEG, 2arm-Hydroxyl, 2arm-Amine, HCl salt, MW 20000	\$3,000

HO-4ARMPEG-(CM)3

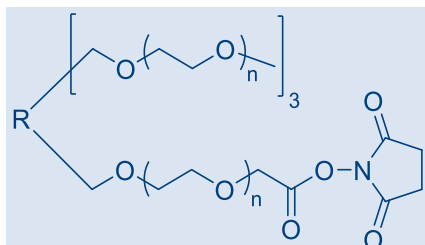


R = Pentaerythritol core structure

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A7108-1	HO-4ARMPEG5000-(CM)3,1g	4arm PEG, 1arm-Hydroxyl, 3arm-Acetic Acid, MW 5000	\$400
*A7108-5	HO-4ARMPEG5000-(CM)3,5g	4arm PEG, 1arm-Hydroxyl, 3arm-Acetic Acid, MW 5000	\$1,600

(CH₃O)3-4ARMPEG-SCM

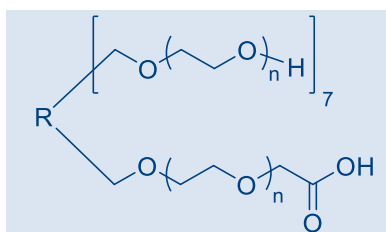


R = Pentaerythritol core structure

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A7174-1	(CH3O)3-4ARMPEG5000-SCM,1g	4arm PEG, 3arm Methoxy, 1arm Succinimidyl Carboxymethyl Ester, MW 5000	\$650
*A7174-5	(CH3O)3-4ARMPEG5000-SCM,5g	4arm PEG, 3arm Methoxy, 1arm Succinimidyl Carboxymethyl Ester, MW 5000	\$2,600
*A7173-1	(CH3O)3-4ARMPEG20K-SCM,1g	4arm PEG, 3arm Methoxy, 1arm Succinimidyl Carboxymethyl Ester, MW 20000	\$600
*A7173-5	(CH3O)3-4ARMPEG20K-SCM,5g	4arm PEG, 3arm Methoxy, 1arm Succinimidyl Carboxymethyl Ester, MW 20000	\$2,400

(HO)7-8ARMPEG-CM

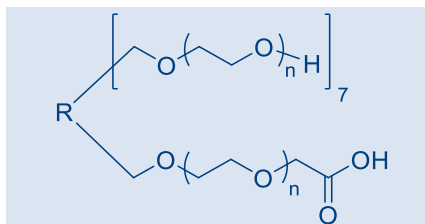


R = Hexaglycerol core structure

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A8042-1	(HO)7-8ARMPEG10K-CM,1g	8arm PEG (hexaglycerol), 7arm-Hydroxyl, 1arm-Acetic Acid, MW 10000	\$400
*A8042-5	(HO)7-8ARMPEG10K-CM,5g	8arm PEG (hexaglycerol), 7arm-Hydroxyl, 1arm-Acetic Acid, MW 10000	\$1,600
*A8043-1	(HO)7-8ARMPEG20K-CM,1g	8arm PEG (hexaglycerol), 7arm-Hydroxyl, 1arm-Acetic Acid, MW 20000	\$450
*A8043-5	(HO)7-8ARMPEG20K-CM,5g	8arm PEG (hexaglycerol), 7arm-Hydroxyl, 1arm-Acetic Acid, MW 20000	\$1,800

(HO)7-8ARMPEG(TP)-CM



R = Tripentaerythritol core structure

PRODUCTS DESIGNATED WITH * ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A10041-1	(HO)7-8ARM(TP)PEG10K-CM,1g	8arm PEG (tripentaerythritol), 7arm-Hydroxyl, 1arm-Acetic Acid, MW 10000	\$400
*A10041-5	(HO)7-8ARM(TP)PEG10K-CM,5g	8arm PEG (tripentaerythritol), 7arm-Hydroxyl, 1arm-Acetic Acid, MW 10000	\$1,600
*A10039-1	(HO)7-8ARM(TP)PEG20K-CM,1g	8arm PEG (tripentaerythritol), 7arm-Hydroxyl, 1arm-Acetic Acid, MW 20000	\$450
*A10039-5	(HO)7-8ARM(TP)PEG20K-CM,5g	8arm PEG (tripentaerythritol), 7arm-Hydroxyl, 1arm-Acetic Acid, MW 20000	\$1,800

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BIODEGRADABLE PEG CO-POLYMERS

JenKem Technology offers high-quality biodegradable co-polymers. The interest in biodegradable polymers for the medical and pharmaceutical field stems from the need for extended release drug delivery systems, including for ADCs; and for degradable medical devices that do not require human intervention for removal from the body. JenKem® PEGs are ideal candidates as a polymeric backbone, as they have already been successfully applied for wound sealing and healing, controlled drug delivery, and tissue engineering.

Synthetic JenKem PEG co-polymers and PEG derivatives offer several advantages over natural biodegradable polymers:

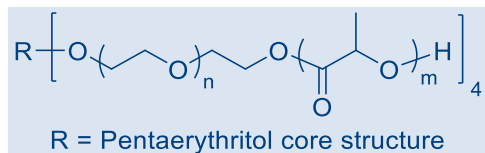
- Highly hydrophilic
- Facile introduction of functional groups for drug attachment
- Production of JenKem PEGs back-integrated to ethylene oxide raw material
- Predictable lot-to-lot consistency and raw material sourcing
- No immunogenicity normally associated with natural polymers

Please see below a limited selection of JenKem® biodegradable PEG copolymers. Different PEG co-polymers and co-polymer derivatives with PGA (PolyGlycolide), PLL (Poly(L-lysine)), or PLGA (Poly(lactic-co-glycolic acid)) may be available by custom synthesis.

Please inquire if the PEG derivative that you need is not listed in this catalog. We may still have your compound, as not all accessible functional groups and molecular weight combinations are listed in the catalog. In addition, we have chemists dedicated to developing new products and processes on a custom synthesis basis, under confidentiality if needed, and we would be glad to provide a quote for you for this service. Please call or email us at tech@jenkemusa.com.

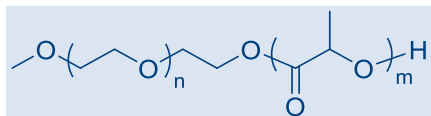
PEG-POLYLACTIDE BLOCK COPOLYMERS

4ARM PEG POLYLACTIDE BLOCK CO-POLYMERS



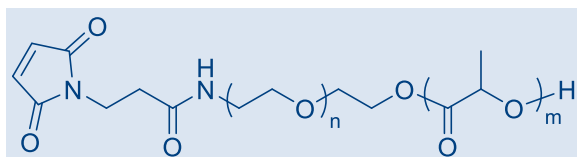
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE(USD)
A9038-1	4ARM-PEG2500-b-PLA2500,1g	4arm PEG Poly(lactide) Block Copolymer (pentaerythritol), PEG MW 2500, PLA MW 2500	\$500
A9038-10	4ARM-PEG2500-b-PLA2500,10g	4arm PEG Poly(lactide) Block Copolymer (pentaerythritol), PEG MW 2500, PLA MW 2500	\$4,000

METHOXY PEG POLYLACTIDE BLOCK CO-POLYMERS



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A9019-1	MPEG5000-b-PLA2500,1g	Methoxy Polyethylene Glycol Poly(lactide) Block Copolymer, PEG MW 5000, PLA MW 2500	\$100
A9019-10	MPEG5000-b-PLA2500,10g	Methoxy Polyethylene Glycol Poly(lactide) Block Copolymer, PEG MW 5000, PLA MW 2500	\$800
A9037-1	MPEG5000-b-PLA5000,1g	Methoxy Polyethylene Glycol Poly(lactide) Block Copolymer, PEG MW 5000, PLA MW 5000	\$100
A9037-10	MPEG5000-b-PLA5000,10g	Methoxy Polyethylene Glycol Poly(lactide) Block Copolymer, PEG MW 5000, PLA MW 5000	\$800

MALEIMIDE PEG POLYLACTIDE BLOCK CO-POLYMERS

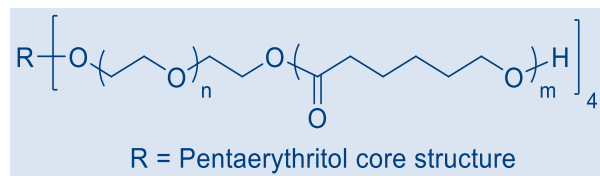


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A9040-1	MAL-PEG2000-b-PLA2000,1g	Maleimide Polyethylene Glycol Poly(lactide) block copolymer, PEG MW 2000, PLA MW 2000	\$450
A9040-10	MAL-PEG2000-b-PLA2000,10g	Maleimide Polyethylene Glycol Poly(lactide) block copolymer, PEG MW 2000, PLA MW 2000	\$3,600
A9039-1	MAL-PEG5000-b-PLA20K,1g	Maleimide Polyethylene Glycol Poly(lactide) block copolymer, PEG MW 5000, PLA MW 20000	\$500
A9039-10	MAL-PEG5000-b-PLA20K,10g	Maleimide Polyethylene Glycol Poly(lactide) block copolymer, PEG MW 5000, PLA MW 20000	\$4,000

Please inquire if the PEG derivative that you need is not listed in this catalog. We may still have your compound, as not all accessible functional groups and molecular weight combinations are listed in the catalog. In addition, we have chemists dedicated to developing new products and processes on a custom synthesis basis, under confidentiality if needed, and we would be glad to provide a quote for you for this service. Please call or email us at tech@jenkemusa.com.

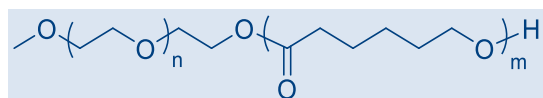
PEG-POLYCAPROLACTONE BLOCK CO-POLYMERS

4ARM PEG POLYCAPROLACTONE BLOCK CO-POLYMERS



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE(USD)
A9012-1	4ARM-PEG2500-b-PCL2500,1g	4arm PEG Polycaprolactone Block Copolymer (pentaerythritol), PEG MW 2500, PCL MW 2500	\$550
A9012-10	4ARM-PEG2500-b-PCL2500,10g	4arm PEG Polycaprolactone Block Copolymer (pentaerythritol), PEG MW 2500, PCL MW 2500	\$4,400

METHOXY PEG POLYCAPROLACTONE BLOCK CO-POLYMERS



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE(USD)
A9033-1	MPEG2000-b-PCL2000,1g	Methoxy PEG Polycaprolactone Block Copolymer, PEG MW 2000, PCL MW 2000	\$200
A9033-10	MPEG2000-b-PCL2000,10g	Methoxy PEG Polycaprolactone Block Copolymer, PEG MW 2000, PCL MW 2000	\$1,600

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PEG RAW MATERIALS

JenKem Technology manufactures high quality polyethylene glycol raw materials with high purity and low polydispersity. JenKem Technology's in-house PEG production is back-integrated to the ethylene oxide starting material. JenKem Technology's PEG raw materials (PEG alcohols) are suitable for further derivatization into PEG derivatives. JenKem PEG raw materials are sold in bulk without purification after polymerization. Please contact us at tech@jenkemusa.com for inquiries on the availability of purified or research grade PEG raw materials.

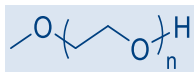
JenKem Technology provides high quality linear methoxy and benzyl polyethylene glycol raw materials with high purity, low polydispersity, and low to no diol content. These PEG raw materials are end-capped with a methoxy group or benzyl group. Linear PEG raw materials are provided as bulk orders of 1kg or more, with the molecular weights of 5kDa, 10kDa, 20kDa, 30kDa, and 40kDa. JenKem Technology also provides a PEG GPC Calibration Standard kit (STDMPEG) containing linear methoxy PEGs with MW of 2kDa, 5kDa, 10kDa, 20kDa and 40kDa.

JenKem Technology now provides novel 8ARM(TP)-PEG raw materials with tripentaerythritol core. 8ARM(TP)-PEGs with tripentaerythritol core have a lower polydispersity and higher molecular weight accuracy compared with the generic 8ARM-PEGs with a hexaglycerin core.

JenKem Technology reports the total molecular weight of multi-arm PEG raw materials as the sum of the molecular weights of all the arms. 4ARM-PEG-OH (4arm PEG hydroxyl) is prepared by ethoxylation of pentaerythritol. 6ARM-PEG-OH (6arm PEG hydroxyl) is prepared by ethoxylation of dipentaerythritol. 8ARM-PEG-OH (8arm PEG hydroxyl) is prepared either by ethoxylation of tripentaerythritol (TP), or hexaglycerine. JenKem Technology provides a 4ARM PEG GPC Calibration Standards kit (STD4ARMPEG) that includes 200 mg each of 4ARM-PEG-2000, 4ARM-PEG-5000, 4ARM-PEG-10K, 4ARM-PEG-20K, and 4ARM-PEG-40K.

JenKem Technology's PEG raw materials with molecular weights not listed in our catalog may be available by custom synthesis. Please inquire at tech@jenkemusa.com about pricing and availability.

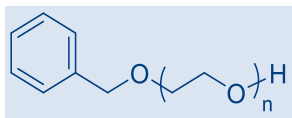
LINEAR METHOXY PEG RAW MATERIALS



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE/KG (USD)
P1005	M-PEG-5000	Methoxy Polyethylene Glycol, MW 5000	\$4,500
P1006	M-PEG-10K	Methoxy Polyethylene Glycol, MW 10000	\$4,500
P1009	M-PEG-20K	Methoxy Polyethylene Glycol, MW 20000	\$5,500
P1010	M-PEG-30K	Methoxy Polyethylene Glycol, MW 30000	\$6,500
P1012	M-PEG-40K	Methoxy Polyethylene Glycol, MW 40000	\$7,000

Please inquire if the PEG derivative that you need is not listed in this catalog. We may still have your compound, as not all accessible functional groups and molecular weight combinations are listed in the catalog. In addition, we have chemists dedicated to developing new products and processes on a custom synthesis basis, under confidentiality if needed, and we would be glad to provide a quote for you for this service. Please call or email us at tech@jenkemusa.com.

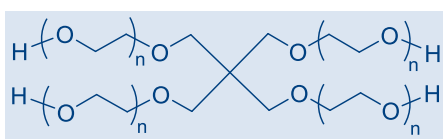
LINEAR BENZYL PEG RAW MATERIALS



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE/KG (USD)
P10001	BENZYL-PEG-2000	Benzyl Polyethylene Glycol, MW 2000	\$4,500
P10002	BENZYL-PEG-5000	Benzyl Polyethylene Glycol, MW 5000	\$4,500

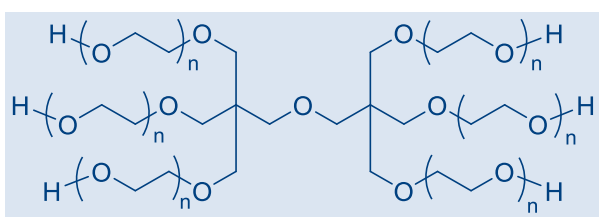
MULTI-ARM PEG RAW MATERIALS

4ARM-PEG RAW MATERIALS (PENTAERYTHRITOL CORE)



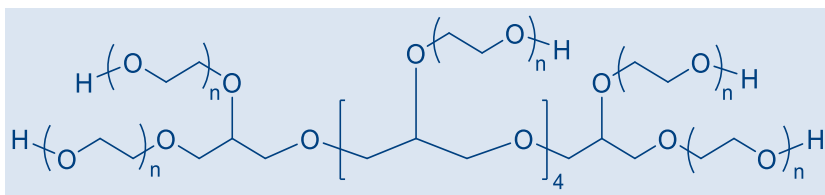
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE/KG (USD)
P2001	4ARM-PEG-2000	4arm Polyethylene Glycol, MW 2000	\$3,500
P2002	4ARM-PEG-5000	4arm Polyethylene Glycol, MW 5000	\$3,500
P2003	4ARM-PEG-10K	4arm Polyethylene Glycol, MW 10000	\$3,500
P2004	4ARM-PEG-15K	4arm Polyethylene Glycol, MW 15000	\$3,500
P2005	4ARM-PEG-20K	4arm Polyethylene Glycol, MW 20000	\$3,500

6ARM-PEG RAW MATERIALS (DIPENTAERYTHRITOL CORE)



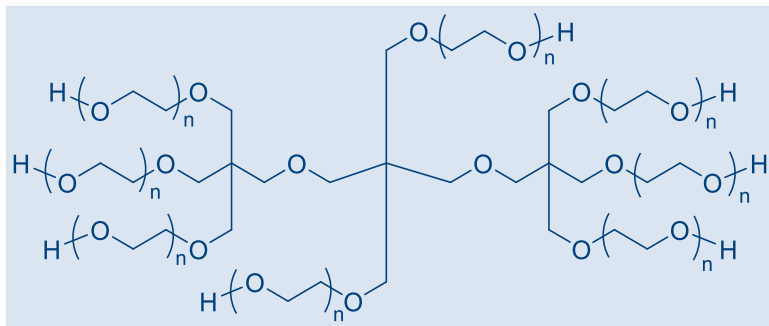
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE/KG (USD)
P6001	6ARM(DP)-PEG-15K	6arm Poly(ethylene glycol) (dipentaerythritol), MW 15000	\$4,500
P6003	6ARM(DP)-PEG-30K	6arm Poly(ethylene glycol) (dipentaerythritol), MW 30000	\$4,500

8ARM-PEG RAW MATERIALS (HEXAGLYCEROL CORE)



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE/KG (USD)
P3001	8ARM-PEG-10K	8arm Polyethylene Glycol (hexaglycerol), MW 10000	\$4,500
P3003	8ARM-PEG-15K	8arm Polyethylene Glycol (hexaglycerol), MW 15000	\$4,500
P3004	8ARM-PEG-20K	8arm Polyethylene Glycol (hexaglycerol), MW 20000	\$4,500
P3006	8ARM-PEG-40K	8arm Polyethylene Glycol (hexaglycerol), MW 40000	\$4,500

8ARM-PEG RAW MATERIALS (TRIPENTAERYTHRITOL CORE)



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE/KG (USD)
P4001	8ARM(TP)-PEG-10K	8arm Polyethylene Glycol (tripentaerythritol), MW 10000	\$2,500
P4003	8ARM(TP)-PEG-15K	8arm Polyethylene Glycol (tripentaerythritol), MW 15000	\$2,500
P4004	8ARM(TP)-PEG-20K	8arm Polyethylene Glycol (tripentaerythritol), MW 20000	\$2,500
P4006	8ARM(TP)-PEG-40K	8arm Polyethylene Glycol (tripentaerythritol), MW 40000	\$3,500

PEG GPC STANDARDS

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE/KG (USD)
STD001	STDMPEG	Methoxy PEG GPC Standards (200mg each MW 2000, 5000, 10000, 20000, 40000)	\$500
STD002	STD4ARMPEG	4ARM PEG GPC Standards (200mg each MW 2000, 5000, 10000, 20000, 40000)	\$500

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ORDERING INFORMATION

To Place an Order

We encourage you to visit our website to place an online order for our catalog PEGs:
<http://www.jenkemusa.com/products>.

You can also place an order directly with us for catalog and custom PEGs, and PEGylation services, by phone, fax, email or mail. Please provide the following information: your name, phone number, and email address, complete shipping and billing addresses with contact phone name, phone number, purchase order number, payment method, product name, and quantity.

Phone:

866.953.6536 (866.9JENKEM) for U.S. customers
1.972.673.0603 for customers outside the U. S.

Fax:

469.327.2615

Email:

sales@jenkemusa.com

Address:

JenKem Technology USA Inc., 4105 W. Spring Creek Pkwy Suite 606B, Plano, TX 75024, U. S. A.

Payment Information

Payments via postal service please remit to:

JenKem Technology USA, 4105 W. Spring Creek Pkwy Suite 606B, Plano, TX 75024, U. S. A.

Payment by bank draft or check must be made in U.S. dollars and must mention your purchase order number and invoice number.

Visa, Mastercard, and American Express cards are accepted.

Please contact us for wire transfer instructions.

Custom Synthesis

We have the capability of providing many PEG compounds that are not listed in this catalog and invite your inquiries for custom synthesis. PEGylation services are provided for conjugation of our PEGs to proteins, peptides, oligonucleotides, and small molecules. Please call us or email us at tech@jenkemusa.com to discuss or request a quote for any custom synthesis services. Strict confidentiality can be arranged if needed.

Technical and Customer Support

We have a Technical Support Team ready to help answer any of your PEG-related questions. Please do not hesitate to contact us at tech@jenkemusa.com.

Bulk Orders and Commercial Manufacture

Larger than catalog, bulk orders up through commercial scale manufacturing can be supplied at a substantial discount. Both non-GMP and GMP quality PEG products can be provided. Please contact us at tech@jenkemusa.com for quotations on bulk orders.

STORAGE AND HANDLING OF PEG DERIVATIVES

All PEG derivatives should be stored under an inert atmosphere (e.g., dry Nitrogen or dry Argon), in the dark, at or below -20°C.

PEG NHS Esters and Maleimides react with moisture in the atmosphere. PEG Maleimide, PEG Thiol, and PEG Acrylates are very sensitive to light, so it is important to keep these products in the dark in dry conditions all the times to avoid loss of activity. PEG aldehydes and PEG thiol can be deactivated by exposure to atmospheric oxygen. In addition, all PEG and PEG derivatives react with atmospheric oxygen to form peroxides along the backbone, a very slow process facilitated by light and heavy metals. The peroxides formed in this process can lead to chain cleavage, increasing the polydispersity of PEG and PEG derivatives.

Our PEG derivatives are thoroughly dried and packaged under an inert atmosphere. Generally, shipment of PEG derivatives at ambient temperature will not affect their activity. For long term storage, PEG derivatives should be stored at or below -20°C. Our standard shipping is at ambient temperature. Low temperature shipping (blue ice and dry ice) is also available upon request at an additional charge.

When using a PEG derivative after storage at low temperature, the material should be warmed up slowly to ambient temperature. After part of the material is taken out, the container with the remaining PEG derivative should be blanketed with an inert gas (e.g., dry Nitrogen or dry Argon) and stored again at or below -20°C.

For multiple uses, it is suggested that PEG containing compounds be repackaged into several containers to reduce the risk of loss of activity due to repetitive freeze-thaw cycles. We offer repacking services for our PEG products for an additional charge.

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