

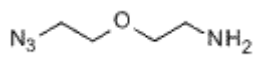
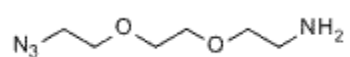
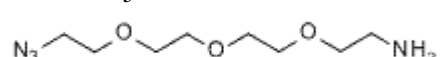
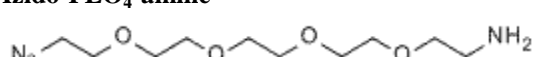
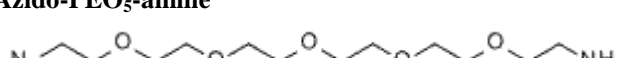



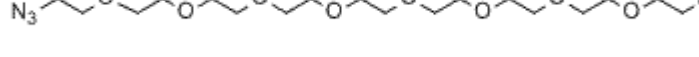
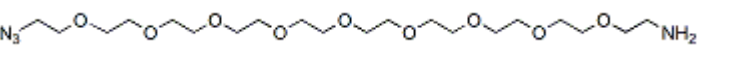
Azido-PEO_n-Amine

Heterobifunctional crosslinkers

Products Description

Unique heterobifunctional crosslinkers, joining NH₂ and Azide reactivities with great PEO spacer !

+

Product: Azido-PEO ^x -amine (Azido-PEG ^x -amine, Azido-dPEG ^x -amine)	MW CAS#	Cat #
Azido-PEO₁-amine 	MW:130.2 464190-91-8	VFB942-1g
Azido-PEO₂-amine 	MW:174.2 166388-57-4	AXGY2-1g
Azido-PEO₃-amine 	MW:218.3 134179-38-7	C5015T-1g
Azido-PEO₄-amine 	MW:262.3 951671-92-4	AXGYZ2-1g
Azido-PEO₅-amine 	MW:306.4 516493-93-9	AXGZ02-1g
Azido-PEO₆-amine 	MW:350.4 957486-82-7	AXGZ12-1G
Azido-PEO₇-amine 	MW:394.5 1333154-77-0	AXGZ22-1g
Azido-PEO₈-amine 	MW:438.5 857891-82-8	ZC6882-1g
Azido-PEO₉-amine 	MW:482.6 1207714-69-9	AXGZ32-1g
Azido-PEO₁₀-amine 	MW:526.6 912849-73-1	AXGZ42-1g

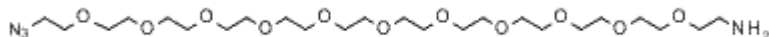
Contact your local distributor

uptima@interchim.com

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 213 Avenue J.F. Kennedy - BP 1140
 03103 Montluçon Cedex - France
 Tél. 04 70 03 88 55 - Fax 04 70 03 82 60

FT-C5015T

Azido-PEO₁₁-amine



MW:570.7 AXGZ52-1g
1800414-71-4

Azido-PEO₂₃-amine



MW:1099.3 AXGZ62-1G
749244-38-0

Azido-PEO₃₅-amine



MW:1628.0 AXGZ72-1G
749244-38-0

Storage: -20°C (+4°C for short term) (M)

Purity: 98% for Azido-PEO¹-amine to Azido-PEO¹¹-amine
97% for Azido-PEO¹⁶-amine to Azido-PEO³⁵-amine

Features:

- **amine** group can be coupled to a variety of functional groups by chemistry, i.e. to carboxyl via EDC mediated amidation
- **azide** group reacts with alkyne / “click chemistry”
- **PEO spacer** confers several advantages over classic spacers, conferring better hydrophilicity to the final conjugate:
Increases water solubility of crosslinker and of conjugates*
Increases stability*: reduced aggregation of conjugates
Increases biocompatibility*: non-immunogenic, non-toxic
Increases availability *: conjugate more hydrophilic and bioactive
Reduces non-specific binding on surfaces
 Perfectly defined unique structure (discrete PEG)

Applications:

Preparation of conjugates by Click chemistry (reaction with Alkynes (CuAAC), DBCO (SPACC), Tetrazines (Staudinger ligation),...)
 Functionalization of biomolecules as well as solid surfaces, nanoparticles

PEO_x products are **monodisperse** synthetic compounds, also called discrete PEG_x. The strictly defined structure confers superior reproducibility of reagent and yields definite conjugates.

Also available: Azide-**PEG_x**-Amine (polydisperse PEG – purified, with MW up to 30KDa):
 see the technical sheet [FT-WU0910](#)

References:

Hermanson, Greg T, "Bioconjugate Techniques", Academic Press, Inc., San Diego, CA, 1996.

Other Information

Related / associated products

See [BioSciences Innovations catalogue](#) and [e-search tool](#).

- Other crosslinkers
 - Homobifunctional crosslinkers: i.e. NHS-PEO-NHS and DSS #54940A, MAL-PEO-MAL and BMOE #L7736A
 - Heterofunctional crosslinkers
- Useful modifiers and other conjugation technologies:
 - Alkyne reagents
 - Hydrazone chemistry: Conjugation kit #BL1501 and crosslinkers (SANH #BL9270, MHPH #BL9401)
- Desalting tools: CelluSep dialysis tubings, Desalting gelfiltration columns #UP84874

For in vitro R&D use only

Please contact Uptima – Interchim for any other information

Rev.T01E

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