SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Bromide/Propargyl PEG reagent, Propargyl-PEG8-bromide, Purity 98%

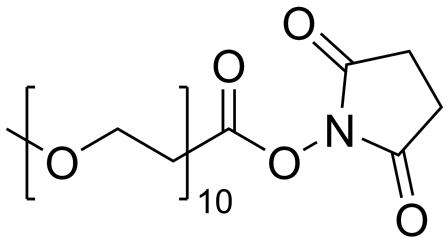
Cat. No.: X24-10-WXX147

Size: 100 mg; 250 mg; 500 mg; 1 g

CAS Number: 2055046-25-6

PubChem CID: 102514835

Synonym: Propargyl-PEG8-bromide; 2055046-25-6; Alkyne-PEG8-Br; Propargyl-PEG8-Br; SCHEMBL22788631



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Propargyl-PEG8-bromide is a reagent grade PEG reagent with a bromide group and an alkyne group, designed for copper-catalyzed click chemistry reactions. The PEG spacer increases water solubility.
Molecular Weight	471.4
Molecular Formula	$C_{19}H_{35}BrO_8$
Functional Group 1	Bromide
Functional Group 2	Propargyl
Functional Group 3	None
Reactive Group 1	Azide
IUPAC Name	3-[2-[2-[2-[2-[2-[2-[2-(2-bromoethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]prop-1-yne
InChI	InChI=1S/C19H35BrO8/c1-2-4-21-6-8-23-10-12-25-14-16-27-18-19-28-17-15-26-13-11-24-9-7-22-5-3-20/h1H,3-19H2
InChI Key	GKKYPBWKHAGRKT-UHFFFAOYSA-N
Canonical SMILES	C#CCOCCOCCOCCOCCOCCOCCOCCOCCBr
Form	Liquid
Purity	98%
Identity	Confirmed by NMR.
Applications	Propargyl-PEG8-bromide is used in molecular biology and bioconjugation research, facilitating efficient copper-catalyzed click chemistry reactions with azide-bearing compounds or biomolecules, Its design is ideal for studying biomolecular interactions and developing targeted drug delivery systems.

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Storage	Store at -20°C.