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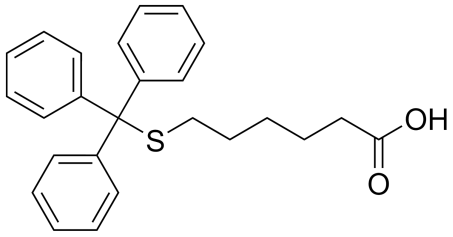
Product Information

Propargyl PEG reagent, Bis-propargyl-PEG8, Purity 98%



Cat. No.: X24-10-WXX128

Size: 250 mg; 500 mg; 1 g

CAS Number: 1351373-46-0

PubChem CID: 131954354

Synonym: Bis-Propargyl-PEG7; 1351373-46-0;

4,7,10,13,16,19,22,25-octaoxaoctacosa-1,27-diyne; AKOS040741377

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

Product Information

Description	Bis-propargyl-PEG8 consists of two propargyl groups that react with azide-bearing biomolecules or compounds in copper-catalyzed click chemistry to form stable triazole linkage.
Molecular Weight	402.5
Molecular Formula	$C_{20}H_{34}O_8$
Functional Group 1	Propargyl
Functional Group 2	None
Functional Group 3	None
Reactive Group 1	Azide
IUPAC Name	3-[2-[2-[2-[2-[2-[2-(2-prop-2-ynoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]prop-1-yne
InChI	InChI=1S/C20H34O8/c1-3-5-21-7-9-23-11-13-25-15-17-27-19-20-28-18-16-26-14-12-24-10-8-22-6-4-2/h1-2H,5-20H2
InChI Key	VVUXHSSWSXTRPE-UHFFFAOYSA-N
Canonical SMILES	C#CCOCCOCCOCCOCCOCCOCCOCCOCC#C
Form	Liquid
Purity	98%
Identity	Confirmed by NMR.
Applications	Bis-propargyl-PEG8 serves as a multifunctional linker that underpins biodegradable and bioactive polymer systems. Its application extends to forming cross-linked networks or hydrogels, relevant in drug delivery systems, tissue repair, and scaffolding materials.
Storage	Store at -20°C.