

Product Information

Propargyl PEG reagent, *N*-(Amino-PEG1)-*N*-bis(PEG2-propargyl) HCl salt, Purity 98%

Cat. No.: X24-10-WXX139

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

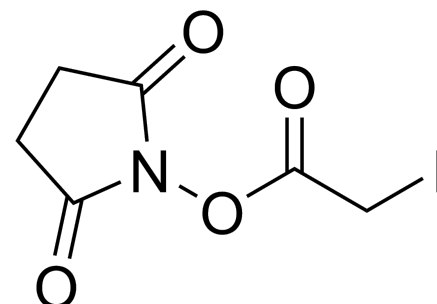
CAS Number: 2100306-47-4

PubChem CID: 126480417

Synonym: 2100306-47-4; *N*-(Amino-peg1)-*n*-bis(peg2-propargyl); *N*

-*(Amino-PEG1)-N*-bis(PEG2-propargyl) HCl salt; AKOS040746145

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



Product Information

Description	<i>N</i> -(Amino-PEG1)- <i>N</i> -bis(PEG2-propargyl) HCl salt is a reagent grade crosslinker consisting of an amino group with two propargyl groups. The amino group is reactive with carboxylic acids, activated NHS esters, carbonyls (ketone, aldehyde), etc. The propargyl groups form triazole linkage with azide-bearing biomolecules or compounds <i>via</i> - copper-catalyzed click chemistry.
Molecular Weight	356.5
Molecular Formula	C ₁₈ H ₃₂ N ₂ O ₅
Functional Group 1	Propargyl
Functional Group 2	None
Functional Group 3	None
Reactive Group 1	Azide
IUPAC Name	2-[2-[bis[2-(2-prop-2-ynoxyethoxy)ethyl]amino]ethoxy]ethanamine
InChI	InChI=1S/C18H32N2O5/c1-3-9-21-15-17-24-13-7-20(6-12-23-11-5-19)8-14-25-18-16-22-10-4-2/h1-2H,5-19H2
InChI Key	GUAWUUXMBMFKPJ-UHFFFAOYSA-N
Canonical SMILES	C#CCOCCOCCN(CCOCN)CCOCCOCC#C
Form	Liquid
Purity	98%
Solubility	Water, DMSO
Identity	Confirmed by NMR.
Applications	<i>N</i> -(Amino-PEG1)- <i>N</i> -bis(PEG2-propargyl) HCl salt is ideal for coupling with various biomolecules. Its

function supports the development of targeted therapeutic systems, delivering payloads efficiently to desired sites.

Storage

Store at -20°C.
