

Product Information

Alkyne/APN PEG reagent, APN-C3-PEG4-alkyne, Purity 98%

Cat. No.: X24-10-WXX166

Size: 5 mg; 10 mg

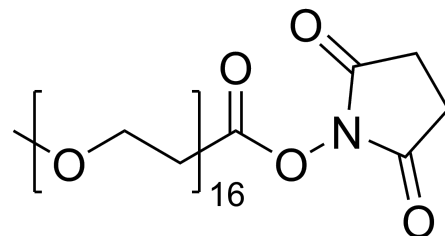
CAS Number: 2183440-36-8

PubChem CID: 131954363

Synonym: APN-C3-PEG4-alkyne; 2183440-36-8; *N*

-(4-((4-(cyanoethynyl)phenyl)amino)-4-oxobutyl)-4,7,10,13-tetraoxahexadec-15-ynamide; AKOS040741158

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



Product Information

Description	APN-C3-PEG4-alkyne is a reagent grade heterobifunctional linker with an APN moiety with exquisite chemoselectivity for cysteine and an alkyne group. The PEG spacer increases water solubility.
Molecular Weight	469.5
Molecular Formula	C ₂₅ H ₃₁ N ₃ O ₆
Functional Group 1	Alkyne
Functional Group 2	APN
Functional Group 3	None
Reactive Group 1	Azide
IUPAC Name	<i>N</i> -[4-(2-cyanoethynyl)phenyl]-4-[3-[2-[2-(2-prop-2-yloxyethoxy)ethoxy]ethoxy]propanoylamino]butanamide
InChI	InChI=1S/C25H31N3O6/c1-2-14-31-16-18-33-20-21-34-19-17-32-15-11-24(29)27-13-4-6-25(30)28-23-9-7-22(8-10-23)5-3-12-26/h1,7-10H,4,6,11,13-21H2,(H,27,29)(H,28,30)
InChI Key	RDAQOUAJNYKTCK-UHFFFAOYSA-N
Canonical SMILES	C#CCOCCOCCOCCOCCC(=O)NCCCC(=O)NC1=CC=C(C=C1)C#CC#N
Form	Liquid
Purity	98%
Identity	Confirmed by NMR.
Applications	APN-C3-PEG4-alkyne allows for selective modifications through click chemistry, making it an important tool in bioconjugation for peptides or proteins, suitable for targeted drug delivery systems

in cancer therapy or diagnostic applications.

Storage

Store at -20°C.
