

Product Information

Azide/Hydrazide PEG reagent, Azido-PEG8-hydrazide HCl salt, Purity 98%

Cat. No.: X24-09-YYX358

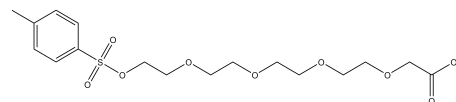
Size: 50 mg; 100 mg; 250 mg

CAS Number: 2353410-11-2

PubChem CID: 134827770

Synonym: 2353410-11-2; Azido-PEG8-hydrazide; Azido-PEG8-hydrazide HCl salt

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



Product Information

Description	Azido-PEG8-hydrazide HCl salt serves as a water-soluble PEG linker that incorporates both an azide moiety and a hydrazide functional group. The hydrophilic PEG spacer improves solubility in aqueous environments. Similar to previous products mentioned, its azide functionality allows it to react with alkyne compounds like BCN or DBCO through click chemistry processes resulting in stable triazole formations.
Molecular Weight	481.6
Molecular Formula	C ₁₉ H ₃₉ N ₅ O ₉
Functional Group 1	Azide
Functional Group 2	Hydrazide
Functional Group 3	None
Reactive Group 1	Alkynyl
Reactive Group 2	Aldehyde
Reactive Group 3	Acid
IUPAC Name	3-[2-[2-[2-[2-[2-[2-[2-(2-Azidoethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]propanehydrazide
InChI	InChI=1S/C19H39N5O9/c20-23-19(25)1-3-26-5-7-28-9-11-30-13-15-32-17-18-33-16-14-31-12-10-2-9-8-6-27-4-2-22-24-21/h1-18,20H2,(H,23,25)
InChI Key	XSHZSHNFUKYUOV-UHFFFAOYSA-N
Canonical SMILES	C(COCCOCCOCCOCCOCCOCCOCCOCCOCCN=[N+]=[N-])C(=O)NN
Form	Solid
Purity	98%
Solubility	Water

Identity	Confirmed by NMR.
Applications	It can be employed in the synthesis of antibody-drug conjugates for targeted cancer therapy. In the field of diagnostics, it can be used to modify biosensors for improved detection sensitivity and specificity.
Storage	Store at -20°C.
