

Product Information

Amine/Azide PEG reagent, *t*-boc-*N*-amido-PEG6-azide, Purity 98%

Cat. No.: X24-09-YYX357

Size: 100 mg; 500 mg; 1 g

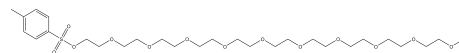
CAS Number: 1292268-15-5

PubChem CID: 56647426

Synonym: 1292268-15-5; *t*-boc-*N*-amido-PEG6-azide; Boc-NH-PEG6-azide; BocNH-

PEG6-CH₂CH₂N₃; Azido-PEG6-NHBoc

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



Product Information

Description	<i>t</i> -boc- <i>N</i> -amido-PEG6-azide is an azide-containing crosslinking reagent featuring a Boc-protected amino group. The hydrophilic nature of the PEG spacer enhances solubility in water-based media. This reagent can participate in reactions with alkynes, BCN, or DBCO <i>via</i> click chemistry to yield stable triazole linkages. Furthermore, the Boc protecting group can be removed under mild acidic conditions to produce free amine.
Molecular Weight	450.5
Molecular Formula	C ₁₉ H ₃₈ N ₄ O ₈
Functional Group 1	Boc
Functional Group 2	Azide
Functional Group 3	Amine
Reactive Group 1	Alkyne
Reactive Group 2	Acid
IUPAC Name	<i>tert</i> -butyl <i>N</i> -[2-[2-[2-[2-[2-[2-(2-Azidoethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethyl]carbamate
InChI	InChI=1S/C19H38N4O8/c1-19(2,3)31-18(24)21-4-6-25-8-10-27-12-14-29-16-17-30-15-13-28-11-9-26-7-5-22-23-20/h4-17H2,1-3H3,(H,21,24)
InChI Key	NICFUXNQYXFEQA-UHFFFAOYSA-N
Canonical SMILES	CC(C)(C)OC(=O)NCCOCCOCCOCCOCCOCCOCCN=[N+]=[N-]
Form	Solid
Purity	98%
Solubility	DMSO, DCM, DMF
Identity	Confirmed by NMR.

Applications

This compound can be utilized in the development of drug conjugates to improve the pharmacokinetic properties of the drug.

Storage

Store at -20°C.
