

Product Information

Azide PEG reagent, 5-(Azido-PEG4)-pent-2-yn-1-ol, Purity 98%

Cat. No.: X24-09-YYX483

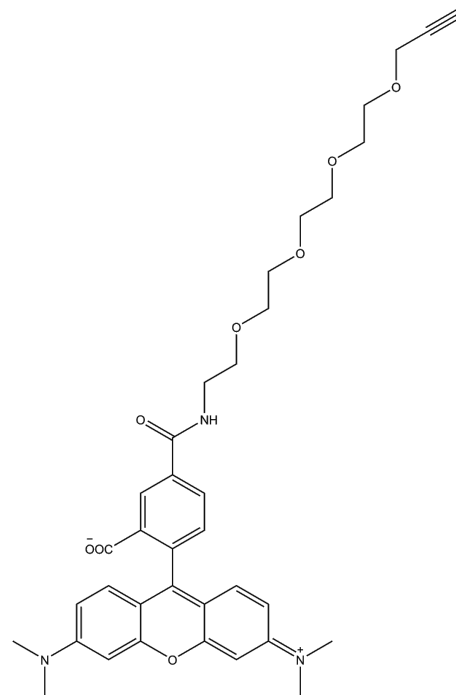
Size: 100 mg

CAS Number: 2468714-96-5

Synonym: 2468714-96-5; 5-Azido-pent-2-yn-1-ol-PEG4; Azido-PEG4-pent-2-yn-1-ol;

5-(PEG4-Azido)-pent-2-yn-1-ol

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



Product Information

Description	5-(Azido-PEG4)-pent-2-yn-1-ol acts as a PEG linker incorporating both an azide group and a terminal hydroxyl group. The hydrophilic nature of the PEG spacer enhances solubility in water-based solutions. The azide functionality can engage in reactions with alkyne compounds, BCN, and DBCO through click chemistry techniques to yield stable triazole linkages. Furthermore, the hydroxyl group allows for additional derivatization or substitution with other reactive functional groups.
Molecular Weight	301.3
Molecular Formula	C ₁₃ H ₂₃ N ₃ O ₅
Functional Group 1	Azide
Functional Group 2	Hydroxyl
Functional Group 3	None
Reactive Group 1	Alkynyl
Reactive Group 2	Acid
Reactive Group 3	Acyl chloride
Form	Solid
Purity	98%
Identity	Confirmed by NMR.

Applications	5-(Azido-PEG4)-pent-2-yn-1-ol can be employed in the modification of biomolecules to introduce reactive sites for further conjugation. In the field of surface functionalization, it can be used to attach biomolecules or nanoparticles onto surfaces for biosensors or tissue engineering.
Storage	Store at -20°C.