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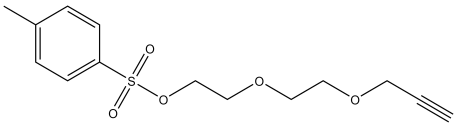
Product Information

Azide PEG reagent, m-PEG16-azide, Purity 98%



Cat. No.: X24-09-YYX332

Size: 100 mg; 500 mg; 1 g

CAS Number: 2564606-73-9

Synonym: 2564606-73-9; 1-azido-2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-(2-methoxy ethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethane

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

Product Information

Description	m-PEG16-azide serves as an aqueous soluble PEGylation reagent that reacts with alkynes, BCN, and DBCO *via* click chemistry to create stable triazole linkages. The presence of the PEG spacer improves solubility in water-based media.
Molecular Weight	761.9
Molecular Formula	$C_{33}H_{67}N_3O_{16}$
Functional Group 1	Azide
Functional Group 2	None
Functional Group 3	None
Reactive Group 1	Alkynyl
IUPAC Name	1-Azido-2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-(2-methoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethane
Form	Solid
Purity	98%
Identity	Confirmed by NMR.
Applications	It can be used to modify the surface of nanoparticles or liposomes, providing steric hindrance and reducing aggregation.
Storage	Store at -20°C.

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