

Product Information

Azide PEG reagent, Phthalamide-PEG3-azide, Purity 98%

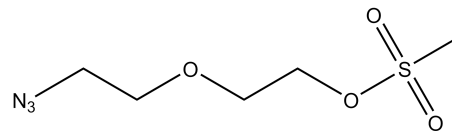
Cat. No.: X24-09-YYX349

Size: 250 mg; 500 mg; 1 g

CAS Number: 134179-44-5

PubChem CID: 14827674

Synonym: 134179-44-5; Phthalamide-PEG3-azide; 2-(2-(2-[2-(2-Azidoethoxy)-ethoxy]-ethoxy)-ethyl)-isoindole-1,3-dione; 2-[2-[2-[2-(2-azidoethoxy)ethoxy]ethoxy]ethyl]isoindole-1,3-dione; 2-(2-{2-[2-(2-Azidoethoxy)-ethoxy]-ethoxy}-ethyl)-isoindole-1,3-dione



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

Product Information

Description	Phthalamide-PEG3-azide is offered at reagent grade specifically for research applications.
Molecular Weight	348.4
Molecular Formula	C ₁₆ H ₂₀ N ₄ O ₅
Functional Group 1	Azide
Functional Group 2	None
Functional Group 3	None
Reactive Group 1	Alkynyl
IUPAC Name	2-[2-[2-[2-(2-Azidoethoxy)ethoxy]ethoxy]ethyl]isoindole-1,3-dione
InChI	InChI=1S/C16H20N4O5/c17-19-18-5-7-23-9-11-25-12-10-24-8-6-20-15(21)13-3-1-2-4-14(13)16(20)22/h1-4H,5-12H2
InChI Key	BEELPXILEIOFRO-UHFFFAOYSA-N
Canonical SMILES	C1=CC=C2C(=C1)C(=O)N(C2=O)CCOCCOCCOCCN=[N+]=[N-]
Form	Solid
Purity	98%
Identity	Confirmed by NMR.
Applications	It can be used in the synthesis of bioconjugates for targeted therapeutics. The phthalamide group may offer specific binding or recognition properties, while the PEG3 and azide moieties allow for conjugation and solubility enhancement.
Storage	Store at -20°C.

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