

Product Information

Maleimide/Propargyl PEG reagent, Propargyl-PEG4-maleimide, Purity 98%

Cat. No.: X24-10-WXX174

Size: 25 mg; 100 mg; 250 mg

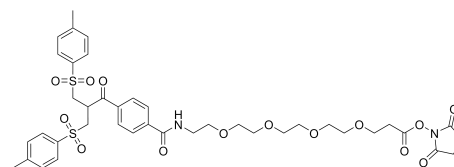
CAS Number: 1262681-30-0

PubChem CID: 71551873

Synonym: Mal-PEG4-propargyl; 1262681-30-0; Mal-?PEG4-?propargyl;

1-(3,6,9,12-Tetraoxapentadec-14-yn-1-yl)-1H-pyrrole-2,5-dione; SCHEMBL12286751

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



Product Information

Description	Propargyl-PEG4-maleimide has a maleimide group and a propargyl group, designed for copper-catalyzed click chemistry reactions. The maleimide group reacts with biomolecules containing a thiol group to form a covalent bond.
Molecular Weight	311.3
Molecular Formula	C ₁₅ H ₂₁ NO ₆
Functional Group 1	Maleimide
Functional Group 2	Propargyl
Functional Group 3	None
Reactive Group 1	Cysteine
Reactive Group 2	Thiol
IUPAC Name	1-[2-[2-[2-(2-prop-2-ynoxyethoxy)ethoxy]ethoxy]ethyl]pyrrole-2,5-dione
InChI	InChI=1S/C15H21NO6/c1-2-6-19-8-10-21-12-13-22-11-9-20-7-5-16-14(17)3-4-15(16)18/h1,3-4H,5-13H2
InChI Key	HNIXCHONNFMINC-UHFFFAOYSA-N
Canonical SMILES	C#CCOCCOCCOCCOCCN1C(=O)C=CC1=O
Form	Oil
Purity	98%
Identity	Confirmed by NMR.
Applications	Propargyl-PEG4-maleimide is used in molecular biology and bioconjugation research, facilitating efficient copper-catalyzed click chemistry reactions with azide biomolecules or compounds. Its unique structure lends itself to several applications across different fields, particularly in

bioconjugation, drug delivery, and materials science.

Storage

Store at -20°C.
