

Product Information

NHS/Propargyl PEG reagent, Propargyl-PEG1-NHS ester, Purity 98%

Cat. No.: X24-10-WXX122

Size: 100 mg; 250 mg; 1 g; 5 g

CAS Number: 1174157-65-3

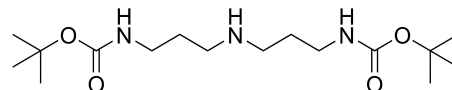
PubChem CID: 51340986

Synonym: 1174157-65-3; Propargyl-PEG1-NHS ester; *N*-Succinimidyl

3-(propargyloxy)propionate; Propargyl-succinimidyl-ester;

Propargyl-*N*-hydroxysuccinimidyl ester

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



Product Information

Description	Propargyl-PEG1-NHS ester is a reagent grade amine-reactive reagent that is used for derivatizing peptides, antibodies, amine-coated surfaces, <i>etc.</i> The alkyne group reacts with azide-bearing biomolecules or compounds in copper-catalyzed click chemistry reactions.
Molecular Weight	225.2
Molecular Formula	C ₁₀ H ₁₁ NO ₅
Functional Group 1	NHS
Functional Group 2	Propargyl
Functional Group 3	None
Reactive Group 1	Amine
Reactive Group 2	Azide
IUPAC Name	(2,5-dioxopyrrolidin-1-yl) 3-prop-2-ynoxypropanoate
InChI	InChI=1S/C10H11NO5/c1-2-6-15-7-5-10(14)16-11-8(12)3-4-9(11)13/h1H,3-7H2
InChI Key	WKIKHHMUNOVQLD-UHFFFAOYSA-N
Canonical SMILES	C#CCOCCC(=O)ON1C(=O)CCC1=O
Form	Liquid
Purity	98%
Solubility	DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	Propargyl-PEG1-NHS ester is used in molecular biology and bioconjugation research, facilitating efficient copper-catalyzed click chemistry reactions with azide-bearing compounds or biomolecules,

making it ideal for studying biomolecular interactions and developing targeted drug delivery systems.

Storage

Store at -20°C.