

Product Information

NHS/Propargyl PEG reagent, Propargyl-PEG7-NHS ester, Purity 95%

Cat. No.: X24-10-WXX192

Size: 100 mg; 500 mg; 1 g

CAS Number: 2093152-77-1

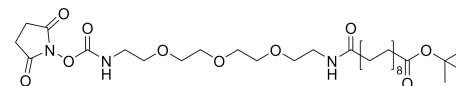
PubChem CID: 126480488

Synonym: Propargyl-PEG7-NHS ester; 2093152-77-1; 2,5-Dioxopyrrolidin-1-yl

4,7,10,13,16,19,22-heptaioxapentacos-24-yn-1-oate; PROPARGYL-

PEG7-NHSESTER; Propargyl-PEG6-CH₂CH₂COONHS

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



Product Information

Description	Propargyl-PEG7-NHS ester is an amine-reactive reagent with an NHS ester and a propargyl group, designed for copper-catalyzed click chemistry reactions. The PEG spacer increases water solubility.
Molecular Weight	489.5
Molecular Formula	C ₂₂ H ₃₅ NO ₁₁
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-[2-[2-[2-[2-(2-prop-2-ynoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]propanoate
InChI	InChI=1S/C22H35NO11/c1-2-6-27-8-10-29-12-14-31-16-18-33-19-17-32-15-13-30-11-9-28-7-5-22(26)34-23-20(24)3-4-21(23)25/h1H,3-19H2
InChI Key	ZVLITXJWZOQGHB-UHFFFAOYSA-N
Canonical SMILES	C#CCOCCOCCOCCOCCOCCOCCOCC(=O)ON1C(=O)CCC1=O
Form	Liquid
Purity	95%
Identity	Confirmed by NMR.
Applications	Propargyl-PEG7-NHS ester is used in molecular biology and bioconjugation research, promoting efficient copper-catalyzed click chemistry reactions with azide to yield a stable triazole linkage,

making it particularly suited for bioconjugation, drug delivery, and other applications.

Storage

Store at -20°C.