

## Product Information

### NHS/Propargyl PEG reagent, Propargyl-PEG4-CH<sub>2</sub>CO<sub>2</sub>-NHS, Purity 95%

**Cat. No.:** X24-10-WXX190

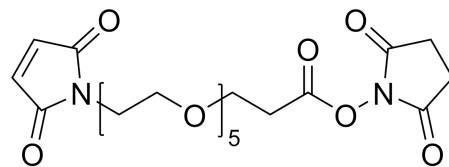
**Size:** 100 mg; 500 mg; 1 g

**CAS Number:** 2144777-76-2

**PubChem CID:** 131709290

**Synonym:** Propargyl-PEG4-CH<sub>2</sub>CO<sub>2</sub>-NHS; 2144777-76-2; AKOS040746256

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



#### Product Information

<b>Description</b>	Propargyl-PEG4-CH <sub>2</sub> CO <sub>2</sub> -NHS is amine reactive with an NHS group and a propargyl group, designed for copper-catalyzed azide-alkyne click chemistry reactions.
<b>Molecular Weight</b>	343.3
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>21</sub> NO <sub>8</sub>
<b>Functional Group 1</b>	NHS
<b>Functional Group 2</b>	Propargyl
<b>Functional Group 3</b>	None
<b>Reactive Group 1</b>	Amine
<b>Reactive Group 2</b>	Azide
<b>IUPAC Name</b>	(2,5-dioxopyrrolidin-1-yl) 2-[2-[2-(2-prop-2-ynoxyethoxy)ethoxy]ethoxy]acetate
<b>InChI</b>	InChI=1S/C15H21NO8/c1-2-5-20-6-7-21-8-9-22-10-11-23-12-15(19)24-16-13(17)3-4-14(16)18/h1H, 3-12H2
<b>InChI Key</b>	GYEPTYINFCZLBX-UHFFFAOYSA-N
<b>Canonical SMILES</b>	C#CCOCCOCCOCCOCC(=O)ON1C(=O)CCC1=O
<b>Form</b>	Solid
<b>Purity</b>	95%
<b>Solubility</b>	DMSO, DCM, DMF
<b>Identity</b>	Confirmed by NMR.
<b>Applications</b>	Propargyl-PEG4-CH <sub>2</sub> CO <sub>2</sub> -NHS is used in molecular biology and bioconjugation research, promoting efficient copper-catalyzed click chemistry reactions with azides to form stable triazole bonds, making it particularly suited for bioconjugation, drug delivery, and other applications.
<b>Storage</b>	Store at -20°C.

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