

## Product Information

### Amine/Azide/Maleimide PEG reagent, Mal-amido-PEG5-alkyne, Purity 98%

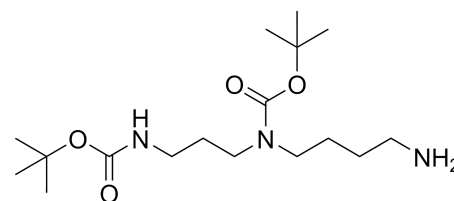
**Cat. No.:** X24-10-WXX117

**Size:** 100 mg; 250 mg; 500 mg; 1 g

**CAS Number:** 2496687-04-6

**Synonym:** Amine/Azide/Maleimide PEG reagent; Mal-amido-PEG5-alkyne;

2496687-04-6



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

#### Product Information

<b>Description</b>	Mal-amido-PEG5-alkyne is a reagent grade PEG linker containing a maleimide group and an alkyne, designed for copper-catalyzed azide-alkyne click chemistry reactions. The PEG spacer increases water solubility. The maleimide group will react with a thiol group to form a covalent bond, enabling the connection of a biomolecule with a thiol.
<b>Molecular Weight</b>	426.5
<b>Molecular Formula</b>	C <sub>20</sub> H <sub>30</sub> N <sub>2</sub> O <sub>8</sub>
<b>Functional Group 1</b>	Amine
<b>Functional Group 2</b>	Azide
<b>Functional Group 3</b>	Maleimide
<b>Reactive Group 1</b>	Azide
<b>Reactive Group 2</b>	Thiol
<b>Form</b>	Liquid
<b>Purity</b>	98%
<b>Identity</b>	Confirmed by NMR.
<b>Applications</b>	Mal-amido-PEG5-alkyne 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.
<b>Storage</b>	Store at -20°C.