

Product Information

Propargyl/Iodine PEG reagent, Alkyne-PEG2-iodide, Purity 95%

Cat. No.: X24-10-WXX177

Size: 250 mg; 500 mg; 1 g

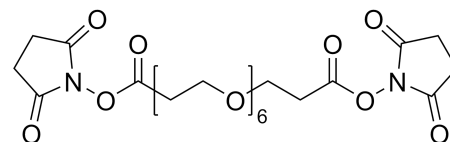
CAS Number: 1234387-33-7

PubChem CID: 86718987

Synonym: 1234387-33-7; Alkyne-PEG2-iodide; 3-[2-(2-iodoethoxy)ethoxy]propyne;

3-(2-(2-iodoethoxy)ethoxy)prop-1-yne; 3-[2-(2-iodoethoxy)ethoxy]prop-1-yne

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



Product Information

Description	Alkyne-PEG2-iodide is a reagent grade crosslinker with an iodine group and a propargyl group, designed for copper-catalyzed click chemistry reactions. Iodine (I) is a reagent grade very good leaving group for nucleophilic substitution reactions. The PEG spacer increases water solubility.
Molecular Weight	254.1
Molecular Formula	C ₇ H ₁₁ I O ₂
Functional Group 1	Propargyl
Functional Group 2	Iodine
Functional Group 3	None
Reactive Group 1	Azide
IUPAC Name	3-[2-(2-iodoethoxy)ethoxy]prop-1-yne
InChI	InChI=1S/C7H11IO2/c1-2-4-9-6-7-10-5-3-8/h1H,3-7H2
InChI Key	KRKPKEAEPZGGU-UHFFFAOYSA-N
Canonical SMILES	C#CCOCCOCCI
Form	Solid
Purity	95%
Solubility	Water, polar organic solvents
Identity	Confirmed by NMR.
Applications	Alkyne-PEG2-iodide is used in molecular biology and bioconjugation research and facilitates efficient copper-catalyzed click chemistry reactions with azide-bearing biomolecules. It is ideal for modifying biomolecules and studying protein interactions.
Storage	Store at -20°C.

