

Product Information

Phosphonic acid/Ester/Alkyne PEG reagent, Propargyl-PEG3-phosphonic acid ethyl ester, Purity $\geq 98\%$

Cat. No.: X25-10-YM040

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

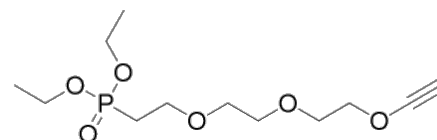
CAS Number: 1052678-30-4

PubChem CID: 129012716

Synonym: 1052678-30-4; Propargyl-PEG3-phosphonic acid ethyl ester; Propargyl-PEG3-phosphonic acid diethyl ester;

3-[2-[2-(2-Diethoxyphosphorylethoxy)ethoxy]ethoxy]prop-1-yne

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



Product Information

Description	Propargyl-PEG3-phosphonic acid ethyl ester has a molecular weight of 308.3 and is characterized by the chemical formula $C_{13}H_{25}O_6P$. It consists of the functional groups phosphonic acid, ester, and alkyne.
Molecular Weight	308.3
Molecular Formula	$C_{13}H_{25}O_6P$
Functional Group 1	Phosphonic acid
Functional Group 2	Ester
Functional Group 3	Alkyne
IUPAC Name	3-[2-[2-(2-Diethoxyphosphorylethoxy)ethoxy]ethoxy]prop-1-yne
InChI Key	WNCMRBALVMVXLA-UHFFFAOYSA-N
Canonical SMILES	<chem>CCOP(=O)(CCOCCOCCOCC#C)OCC</chem>
Form	Liquid
Purity	$\geq 98\%$
Impurities	No visible impurities to the naked eye.
Identity	Confirmed by NMR.
Applications	Propargyl-PEG3-phosphonic acid ethyl ester plays a key role in enhancing the stability and bioavailability of drugs by forming stable complexes with metal ions.
Storage	Store at -20°C .