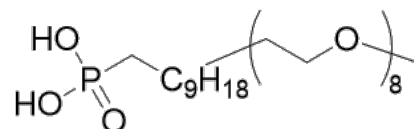


Phosphonic acid PEG reagent, Propargyl-PEG3-phosphonic acid ethyl ester, Purity $\geq 98\%$

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



Description	m-PEG8-(CH ₂) ₁₂ -phosphonic acid has a molecular weight of 588.7 and is characterized by the chemical formula C ₂₇ H ₅₇ O ₁₁ P. It consists of the functional groups phosphonic acid, and the reactive group is marked by alcohol.
Molecular Weight	588.7
Molecular Formula	C ₂₇ H ₅₇ O ₁₁ P
Functional Group 1	Phosphonic acid
Reactive Group 1	Alcohol
IUPAC Name	12-[2-[2-[2-[2-[2-(2-Methoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]dodecylphosphonic acid
InChI Key	NTBISXIRWIJPLV-UHFFFAOYSA-N
Canonical SMILES	COCCOCCOCCOCCOCCOCCOCCOCCCCCCCCCCCCCP(=O)(O)O
Form	Solid
Purity	≥98%
Impurities	No visible impurities to the naked eye.
Identity	Confirmed by NMR.
Applications	m-PEG8-(CH ₂) ₁₂ -phosphonic acid can be studied extensively for its ability to prevent biofouling, such as in medical devices or marine applications.
Storage	Store at -20°C.