

Product Information

Phosphonic acid/Bromo PEG reagent, Bromo-PEG5-phosphonic acid, Purity $\geq 98\%$

Cat. No.: X25-10-YM051

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

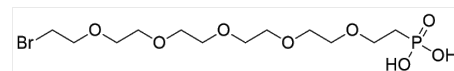
CAS Number: 1446282-37-6

PubChem CID: 77078402

Synonym: 1446282-37-6; Bromo-PEG5-phosphonic acid;

(17-Bromo-3,6,9,12,15-pentaoxaheptadecyl)phosphonic acid; Bromo-PEG5-phosphonicacid

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



Product Information

Description	Bromo-PEG5-phosphonic acid features a molecular mass of 409.2 and is defined by the formula $C_{12}H_{26}BrO_8P$. The functional groups present are phosphonic acid and bromo, while reactivity is indicated by amine.
Molecular Weight	409.2
Molecular Formula	$C_{12}H_{26}BrO_8P$
Functional Group 1	Phosphonic acid
Functional Group 2	Bromo
Reactive Group 1	Amine
IUPAC Name	2-[2-[2-[2-[2-(2-Bromoethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethylphosphonic acid
InChI Key	ASIUTFVREYVRJH-UHFFFAOYSA-N
Canonical SMILES	<chem>C(COCCOCCP(=O)(O)O)OCCOCCOCCBr</chem>
Form	Viscous liquid
Purity	$\geq 98\%$
Impurities	No visible impurities to the naked eye.
Identity	Confirmed by NMR.
Applications	Bromo-PEG5-phosphonic acid plays a key role in photoaffinity labeling, allowing for the photochemical attachment of molecules to biological targets.
Storage	Store at -20°C .