

Product Information

Ester PEG reagent, Diethyl 8-bromooctylphosphonate, Purity $\geq 98\%$

Cat. No.: X25-10-YM049

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

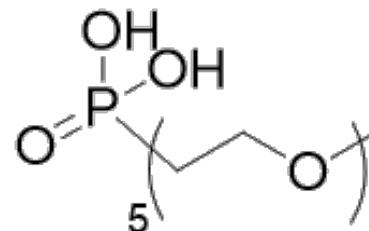
CAS Number: 1807512-39-5

PubChem CID: 91757730

Synonym: 1807512-39-5; m-PEG5-phosphonic acid;

(2,5,8,11,14-Pentaoxahehexadecan-16-yl)phosphonic acid; m-PEG5-phosphonicacid

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



Product Information

Description	m-PEG5-phosphonic acid exhibits a molecular mass of 316.3 and is described by the chemical formula $C_{11}H_{25}O_8P$. This compound consists of the functional group phosphonic acid.
Molecular Weight	316.3
Molecular Formula	$C_{11}H_{25}O_8P$
Functional Group 1	Phosphonic acid
Reactive Group 2	Alcohol
IUPAC Name	2-[2-[2-[2-(2-Methoxyethoxy)ethoxy]ethoxy]ethoxy]ethylphosphonic acid
InChI Key	RCTDZLSRRJVKHJ-UHFFFAOYSA-N
Canonical SMILES	COCCOCCOCCOCCOCCP(=O)(O)O
Form	Liquid
Purity	$\geq 98\%$
Impurities	No visible impurities to the naked eye.
Identity	Confirmed by NMR.
Applications	m-PEG5-phosphonic acid plays a key role in reducing its interaction with surfaces, maintaining their activity.
Storage	Store at -20°C .