SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Phosphonic acid PEG reagent, m-PEG5-phosphonic acid ethyl ester, Purity ≥96%

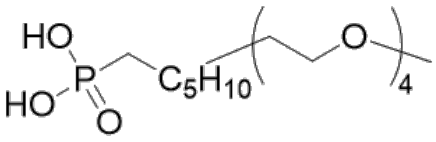
Cat. No.: X25-10-YM026

Size: 25 mg; 50 mg; 100 mg; 200 mg

CAS Number: 2028281-85-6

PubChem CID: 123132067

Synonym: 2028281-85-6; m-PEG4-(CH_2)6-Phosphonic acid; m-PEG4-(CH_2)8-phosphonic acid; (2,5,8,11-Tetraoxanonadecan-19-yl)phosphonic acid



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

Product Information

Description	m-PEG4-(CH_2)8-phosphonic acid possesses a molecular weight of 356.4 and is identified by the molecular formula $C_{15}H_{33}O_7P$. It is constituted by the functional group phosphonic acid.
Molecular Weight	356.4
Molecular Formula	$C_{15}H_{33}O_7P$
Functional Group 1	Phosphonic acid
Reactive Group 2	Alcohol
IUPAC Name	8-[2-[2-(2-Methoxyethoxy)ethoxy]ethoxy]octylphosphonic acid
InChI Key	JNQSHEHZCLMYKY-UHFFFAOYSA-N
Canonical SMILES	COCCOCCOCCOCCCCCCCCP(=O)(O)O
Form	Liquid
Purity	≥96%
Impurities	No visible impurities to the naked eye.
Identity	Confirmed by NMR.
Applications	m-PEG4-(CH_2)8-phosphonic acid can be studied extensively for its PEGylated nature for enhancing solubility and reducing immunogenicity, making it suitable for various biomedical applications.
Storage	Store at -20°C.