

Product Information

Ester PEG reagent, Tetraethyl butane-1,4-diylbis(phosphonate), Purity $\geq 98\%$

Cat. No.: X25-10-YM062

Size: 250 mg; 1 g; 2 g; 5 g

CAS Number: 1314378-12-5

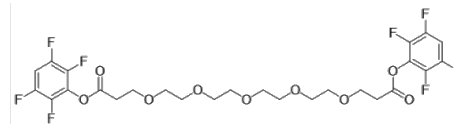
PubChem CID: 60146204

Synonym: 1314378-12-5; Bis-PEG4-PFP ester; Di(Perfluorophenyl)

4,7,10,13-tetraoxahexadecanedioate; PFP-PEG4-PFP; Bis(perfluorophenyl)

4,7,10,13-tetraoxahexadecanedioate

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



Product Information

Molecular Weight	626.4
Molecular Formula	C ₂₄ H ₂₀ F ₁₀ O ₈
Functional Group 1	PFP
Reactive Group 1	Amine
IUPAC Name	(2,3,4,5,6-Pentafluorophenyl) 3-[2-[2-[2-[3-oxo-3-(2,3,4,5,6-pentafluorophenoxy)propoxy]ethoxy]ethoxy]ethoxy]propanoate
InChI Key	RCCGHSXHOCFIBV-UHFFFAOYSA-N
Canonical SMILES	C(COCCOCCOCCOCCC(=O)OC1=C(C(=C(C(=C1F)F)F)F)C(=O)OC2=C(C(=C(C(=C2F)F)F)F)F
Form	Liquid/solid (low melting point)
Purity	$\geq 98\%$
Impurities	No visible impurities to the naked eye.
Solubility	DCM
Identity	Confirmed by NMR.
Applications	Bis-PEG4-PFP ester displays the significant potential to act as an effective linker in solid-phase peptide synthesis, providing flexibility and solubility to the peptide chain.
Storage	Store at -20°C.