

Product Information

Azide PEG reagent, Azido-PEG4-PFP ester, Purity 98%

Cat. No.: X24-09-YYX467

Size: 100 mg; 250 mg; 1 g; 5 g

CAS Number: 1353012-00-6

PubChem CID: 60146185

Synonym: 1353012-00-6; N₃-PEG4-C₂-Pfp ester; perfluorophenyl

1-azido-3,6,9,12-tetraoxapentadecan-15-oate; N₃-PEG4-PFP ester

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



Product Information

Description	Azido-PEG4-PFP ester acts as a click reagent featuring both an azide moiety and a PFP component. This azide enables click chemistry applications. The PFP ester can label primary amines <i>t</i> -present in proteins, amine-modified oligonucleotides, and other similar molecules.
Molecular Weight	457.4
Molecular Formula	C ₁₇ H ₂₀ F ₅ N ₃ O ₆
Functional Group 1	Azide
Functional Group 2	Ester
Functional Group 3	None
Reactive Group 1	Alkynyl
IUPAC Name	(2,3,4,5,6-Pentafluorophenyl) 3-[2-[2-[2-(2-azidoethoxy)ethoxy]ethoxy]ethoxy]propanoate
InChI	InChI=1S/C17H20F5N3O6/c18-12-13(19)15(21)17(16(22)14(12)20)31-11(26)1-3-27-5-7-29-9-10-30-8-6-28-4-2-24-25-23/h1-10H2
InChI Key	QSIFGTAWLLFXPY-UHFFFAOYSA-N
Canonical SMILES	C(COCCOCCOCCOCCN=[N+]=[N-])C(=O)OC1=C(C(=C(C(=C1F)F)F)F)F
Form	Solid
Purity	98%
Solubility	DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	It can be used in the modification of surfaces of nanoparticles or biomaterials to improve their interaction with cells or biological systems. In the field of drug delivery, it can be employed to attach drugs to carrier molecules for controlled release and targeted delivery.

Storage Store at -20°C.
