

Product Information

Maleimide/PFP PEG reagent, Mal-PEG5-PFP, Purity 98%

Cat. No.: X24-03-YW0771

Size: 100 mg; 250 mg; 500 mg

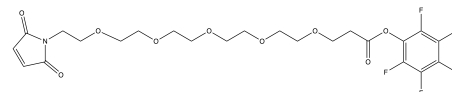
CAS Number: 1807512-46-4

PubChem CID: 77078348

Synonym: 1807512-46-4; Mal-PEG5-PFP ester; (2,3,4,5,6-Pentafluorophenyl)

3-[2-[2-[2-[2-[2-(2,5-dioxopyrrol-1-yl)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]propanoate

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



Product Information

Description	Mal-PEG5-PFP features a maleimide group for thiol reactivity and a PFP moiety for amine reactivity. The PEG5 spacer enhances water solubility, making it ideal for use in aqueous environments.
Molecular Weight	555.5
Molecular Formula	C ₂₃ H ₂₆ F ₅ NO ₉
Functional Group 1	Maleimide
Functional Group 2	PFP
Reactive Group 1	Amine
Reactive Group 2	Thiol
IUPAC Name	(2,3,4,5,6-Pentafluorophenyl) 3-[2-[2-[2-[2-(2,5-dioxopyrrol-1-yl)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]propanoate
InChI	InChI=1S/C23H26F5NO9/c24-18-19(25)21(27)23(22(28)20(18)26)38-17(32)3-5-33-7-9-35-11-13-37-14-12-36-10-8-34-6-4-29-15(30)1-2-16(29)31/h1-2H,3-14H2
InChI Key	HVQHYQSUANAJJW-UHFFFAOYSA-N
Canonical SMILES	C1=CC(=O)N(C1=O)CCOCCOCCOCCOCCOCC(=O)OC2=C(C(=C(C(=C2F)F)F)F)F
Form	Solid
Purity	98%
Identity	Confirmed by NMR.
Applications	Mal-PEG5-PFP is useful in bioconjugation and protein labeling, enabling stable covalent bonds with thiols and amines. It is ideal for creating linkers for drug delivery and biomolecular interaction studies in research.
Storage	Store at -20°C.

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