Product Name	:	Biotin-PEG3-acid
Synonyms	:	——
Cat No.	:	M22921
CAS Number	:	252881-76-8
Molecular Formula	:	C19H33N3O7S
Formula Weight	:	447.55
Chemical Name	:	——
Description	:	Biotin-PEG3-acid is a biotin-labeled, PEG-based PROTAC linker that can be used in the synthesis of PROTACs.Biotin-PEG3-acid is a heterobiofunctional biotin PEG derivative containing a carboxylic acid group. The hydrophilic PEG spacer arm imparts water solubility that is transferred to the biotinylated molecule. PEG Linkers may be useful in the development of antibody drug conjugates and drug delivery methods. PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins.
Pathway	:	PROTACs
Target	:	PROTAC
Receptor	:	PEGs
Solubility	:	——
SMILES	:	O=C1N[C@]2(CS[C@H]([C@]2(N1)[H])CCCCC(NCCOCCOCCOCCC(O)=O)=O)[H]
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	

1. Gadd MS, et al. Structural basis of PROTAC cooperative recognition for selective protein degradation. Nat Chem Biol. 2017 May;13(5):514-521.