

Product Data Sheet

Product Name: Biotin-PEG2-C2-iodoacetamide

Cat. No.: GC60079

Chemical Properties

Cas. No. 292843-75-5

SMILES O=C(NCCOCCOCCNC(=O)CCCC[C@@H]1SC[C@]([C@]1([H])N2)([H])NC2=O)C(=O)CCCI

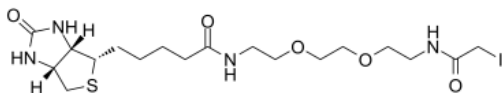
Formula $C_{18}H_{31}IN_4O_5S$ M.Wt 542.43

Solubility Storage

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Biotin-PEG2-C2-iodoacetamide is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1].

PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin

Caution: Product has not been fully validated for medical applications. For research use only.

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ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

[1]. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

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