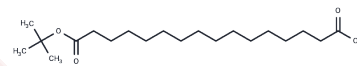


Boc-C14-COOH

Chemical Properties

CAS No. :	843666-27-3
Formula:	C ₂₀ H ₃₈ O ₄
Molecular Weight:	342.51
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Boc-C14-COOH is a alkyl-chain-based PROTAC linker. Boc-C14-COOH is a non-cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs).
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	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[1]. ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9196 mL	14.5981 mL	29.1962 mL
5 mM	0.5839 mL	2.9196 mL	5.8392 mL
10 mM	0.292 mL	1.4598 mL	2.9196 mL
50 mM	0.0584 mL	0.292 mL	0.5839 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Nalawansha DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. Cell Chem Biol. 2020;27(8):998-985.

Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017;16(5):315-337.

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