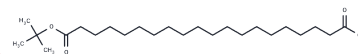


20-(tert-Butoxy)-20-oxoicosanoic acid

Chemical Properties

CAS No. :	683239-16-9
Formula:	C ₂₄ H ₄₆ O ₄
Molecular Weight:	398.62
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	20-(tert-Butoxy)-20-oxoicosanoic acid is an alkyl-chain-based, non-cleavable PROTAC linker utilized 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	2.5087 mL	12.5433 mL	25.0865 mL
5 mM	0.5017 mL	2.5087 mL	5.0173 mL
10 mM	0.2509 mL	1.2543 mL	2.5087 mL
50 mM	0.0502 mL	0.2509 mL	0.5017 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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