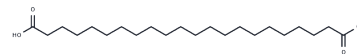


## Docosanedioic acid

## Chemical Properties

CAS No. :	505-56-6
Formula:	C <sub>22</sub> H <sub>42</sub> O <sub>4</sub>
Molecular Weight:	370.57
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	BEHENIC ACID is a alkyl-chain-based PROTAC linker. BEHENIC ACID 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].

## Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6985 mL	13.4927 mL	26.9855 mL
5 mM	0.5397 mL	2.6985 mL	5.3971 mL
10 mM	0.2699 mL	1.3493 mL	2.6985 mL
50 mM	0.054 mL	0.2699 mL	0.5397 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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