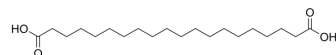


Eicosanedioic acid

Cat. No.:	HY-W034595		
CAS No.:	2424-92-2		
Molecular Formula:	C ₂₀ H ₃₈ O ₄		
Molecular Weight:	342.51		
Target:	ADC Linker; PROTAC Linkers		
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (72.99 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.9196 mL	14.5981 mL	29.1962 mL
5 mM	0.5839 mL	2.9196 mL	5.8392 mL
10 mM	0.2920 mL	1.4598 mL	2.9196 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Eicosanedioic acid is a non-cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Eicosanedioic acid is also a alkyl chain-based PROTAC linker that can be used in the synthesis

IC₅₀ & Target

Non-cleavable Linker

In Vitro

ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker^[1]. 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^[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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

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