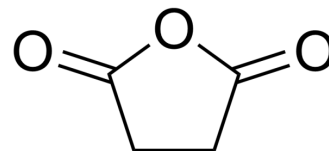


Succinic anhydride

Cat. No.:	HY-79369
CAS No.:	108-30-5
Molecular Formula:	C ₄ H ₄ O ₃
Molecular Weight:	100
Target:	ADC Linker
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (1000.00 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	10.0000 mL	50.0000 mL	100.0000 mL
				5 mM	2.0000 mL	10.0000 mL	20.0000 mL
				10 mM	1.0000 mL	5.0000 mL	10.0000 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (25.00 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (25.00 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (25.00 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Succinic anhydride is a cyclic anhydride and a noncleavable ADC linker extracted from patent WO2009064913A1. Succinic anhydride can react with compound 4 of the patent to link the proagent to an amine or hydroxy 1 group of a targeting polypeptide ^[1] .
IC ₅₀ & Target	Non-cleavable Linker

REFERENCES

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

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