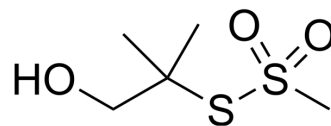


S-(1-Hydroxy-2-methylpropan-2-yl) methanesulfonylthioate

Cat. No.:	HY-129942
CAS No.:	2127875-65-2
Molecular Formula:	C ₅ H ₁₂ O ₃ S ₂
Molecular Weight:	184.28
Target:	ADC Linker
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (542.65 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	
				5 mg	
				10 mg	
				10 mM	
			1 mg	5 mg	10 mg
	1 mM		5.4265 mL	27.1326 mL	54.2653 mL
	5 mM		1.0853 mL	5.4265 mL	10.8530 mL
	10 mM		0.5427 mL	2.7133 mL	5.4265 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 (13.57 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (13.57 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (13.57 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	S-(1-Hydroxy-2-methylpropan-2-yl) methanesulfonylthioate is a glutathione cleavable ADC linker used for the antibody-drug conjugates (ADCs) and refers to the Alkyl-Chain composition. S-(1-Hydroxy-2-methylpropan-2-yl) methanesulfonylthioate is the linker portions of the molecules employed for mAb attachment purposes ^[1] .	
IC ₅₀ & Target	Disulfide Cleavable	Cleavable

REFERENCES

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

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