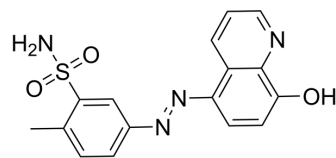


Glyoxalase I inhibitor 5

Cat. No.:	HY-147647		
CAS No.:	2455508-17-3		
Molecular Formula:	C ₁₆ H ₁₄ N ₄ O ₃ S		
Molecular Weight:	342.37		
Target:	Glyoxalase (GLO)		
Pathway:	Metabolic Enzyme/Protease		
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 : 100 mg/mL (292.08 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	2.9208 mL	14.6041 mL	29.2082 mL
	5 mM	0.5842 mL	2.9208 mL	5.8416 mL
	10 mM	0.2921 mL	1.4604 mL	2.9208 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 (7.30 mM); Clear solution; Need ultrasonic			
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (7.30 mM); Clear solution; Need ultrasonic			

BIOLOGICAL ACTIVITY

Description	Glyoxalase I inhibitor 5 (Compound 9h) is a glyoxalase I (Glo-I) inhibitor with an IC ₅₀ of 1.28 μM. Glyoxalase I inhibitor 5 can be used as anticancer agent ^[1] .
IC ₅₀ & Target	IC ₅₀ : 1.28 μM (Glo-I) ^[1]

REFERENCES

[1]. Al-Oudat BA, et al. Design, synthesis and biological evaluation of novel glyoxalase I inhibitors possessing diazenylbenzenesulfonamide moiety as potential anticancer

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

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