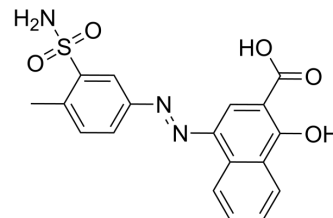


Glyoxalase I inhibitor 6

Cat. No.:	HY-147648		
CAS No.:	2455508-19-5		
Molecular Formula:	C ₁₈ H ₁₅ N ₃ O ₅ S		
Molecular Weight:	385.39		
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 (259.48 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.5948 mL	12.9739 mL	25.9477 mL
		5 mM	0.5190 mL	2.5948 mL	5.1895 mL
10 mM		0.2595 mL	1.2974 mL	2.5948 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 (6.49 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	Glyoxalase I inhibitor 6 (Compound 9j) is a glyoxalase I (Glo-I) inhibitor with an IC ₅₀ of 1.13 μM. Glyoxalase I inhibitor 6 can be used as anticancer agent with low toxicity ^[1] .
IC ₅₀ & Target	IC ₅₀ : 1.13 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 agents. *Bioorg Med Chem.* 2020 Aug 15;28(16):115608.

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

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