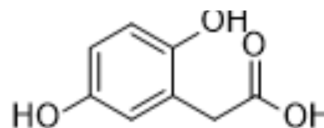


Homogentisic acid

Cat. No.:	HY-113283		
CAS No.:	451-13-8		
Molecular Formula:	C ₈ H ₈ O ₄		
Molecular Weight:	168.15		
Target:	Endogenous Metabolite		
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 (594.71 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM		5.9471 mL	29.7354 mL	59.4707 mL
		5 mM		1.1894 mL	5.9471 mL	11.8941 mL
10 mM			0.5947 mL	2.9735 mL	5.9471 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 (14.87 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (14.87 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (14.87 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Homogentisic acid is a specific metabolite in urine and serum, which is used for diagnosis of alkaptonuria.
IC ₅₀ & Target	Microbial Metabolite

REFERENCES

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

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