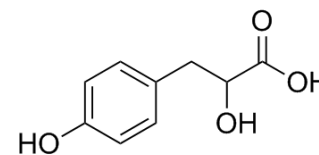


Hydroxyphenyllactic acid

Cat. No.:	HY-113219
CAS No.:	306-23-0
Molecular Formula:	C ₉ H ₁₀ O ₄
Molecular Weight:	182.17
Target:	Endogenous Metabolite; Fungal
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (686.17 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	5.4894 mL	27.4469 mL	54.8938 mL
		5 mM	1.0979 mL	5.4894 mL	10.9788 mL
	10 mM	0.5489 mL	2.7447 mL	5.4894 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: ≥ 2.08 mg/mL (11.42 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (11.42 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (11.42 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Hydroxyphenyllactic acid is an antifungal metabolite.
IC ₅₀ & Target	Human Endogenous Metabolite
In Vitro	Hydroxyphenyllactic acid (4-hydroxyphenyllactic acid) is an antifungal metabolite ^[1] .

REFERENCES

[1]. Mu W, et al. Production of 4-hydroxyphenyllactic acid by *Lactobacillus* sp. SK007 fermentation. *J Biosci Bioeng*. 2010 Apr;109(4):369-71.

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

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