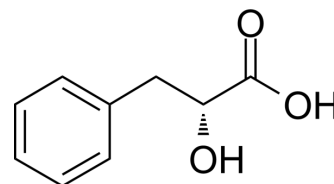


D-(+)-Phenyllactic acid

Cat. No.:	HY-30219
CAS No.:	7326-19-4
Molecular Formula:	C ₉ H ₁₀ O ₃
Molecular Weight:	166.17
Target:	Bacterial; Endogenous Metabolite
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (601.79 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		6.0179 mL	30.0897 mL	60.1793 mL
		5 mM		1.2036 mL	6.0179 mL	12.0359 mL
	10 mM		0.6018 mL	3.0090 mL	6.0179 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (15.04 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (15.04 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (15.04 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	D-(+)-Phenyllactic acid is an anti-bacterial agent, excreted by Geotrichum candidum, inhibits a range of Gram-positive from humans and foodstuffs and Gram-negative bacteria found in humans ^[1] .	
IC₅₀ & Target	Microbial Metabolite	Human Endogenous Metabolite

REFERENCES

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

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