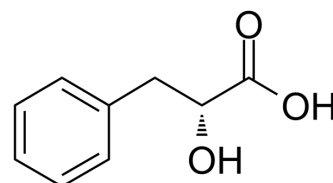


## D-(+)-Phenyllactic acid

<b>Cat. No.:</b>	HY-30219	
<b>CAS No.:</b>	7326-19-4	
<b>Molecular Formula:</b>	C <sub>9</sub> H <sub>10</sub> O <sub>3</sub>	
<b>Molecular Weight:</b>	166.17	
<b>Target:</b>	Bacterial; Endogenous Metabolite	
<b>Pathway:</b>	Anti-infection; Metabolic Enzyme/Protease	
<b>Storage:</b>	Powder	-20°C 3 years 4°C 2 years
	In solvent	-80°C 6 months -20°C 1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (601.79 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	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.					
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (15.04 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (15.04 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (15.04 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

<b>Description</b>	D-(+)-Phenyllactic acid is an anti-bacterial agent, excreted by <i>Geotrichum candidum</i> , inhibits a range of Gram-positive from humans and foodstuffs and Gram-negative bacteria found in humans <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Human Endogenous Metabolite

### REFERENCES

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

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