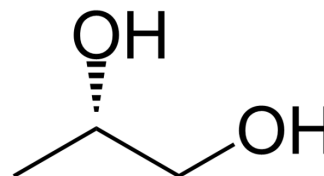


(S)-(+)-1,2-Propanediol

Cat. No.:	HY-79334
CAS No.:	4254-15-3
Molecular Formula:	C ₃ H ₈ O ₂
Molecular Weight:	76.09
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (1314.23 mM; Need ultrasonic)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>13.1423 mL</td> <td>65.7117 mL</td> <td>131.4233 mL</td> </tr> <tr> <td>5 mM</td> <td>2.6285 mL</td> <td>13.1423 mL</td> <td>26.2847 mL</td> </tr> <tr> <td>10 mM</td> <td>1.3142 mL</td> <td>6.5712 mL</td> <td>13.1423 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	13.1423 mL	65.7117 mL	131.4233 mL	5 mM	2.6285 mL	13.1423 mL	26.2847 mL	10 mM	1.3142 mL	6.5712 mL	13.1423 mL
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	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 (32.86 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (32.86 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (32.86 mM); Clear solution 																					

BIOLOGICAL ACTIVITY

Description	(S)-(+)-1,2-Propanediol is an endogenous metabolite.
IC₅₀ & Target	Human Endogenous Metabolite

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

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