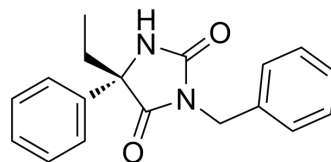


(S)-(+)-N-3-Benzylirvanol

Cat. No.:	HY-W013268
CAS No.:	790676-40-3
Molecular Formula:	C ₁₈ H ₁₈ N ₂ O ₂
Molecular Weight:	294.35
Target:	Others
Pathway:	Others
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (339.73 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		3.3973 mL	16.9866 mL	33.9732 mL
		5 mM		0.6795 mL	3.3973 mL	6.7946 mL
	10 mM		0.3397 mL	1.6987 mL	3.3973 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 (8.49 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.49 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	(S)-(+)-N-3-Benzylirvanol is a drug used formetabolic regulation. (S)-(+)-N-3-Benzylirvanol has the activity of inhibitinghuman P450 enzyme. (S)-(+)-n-3-benzylirvanol can be used to study druginteractions during drug metabolism ^[1] .
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REFERENCES

[1]. KimMJ, et al. High-throughput screening of inhibitory potential of nine cytochromeP450 enzymes in vitro using liquid chromatography/tandem mass spectrometry.Rapid Commun Mass Spectrom. 2005;19(18):2651-8.

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

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