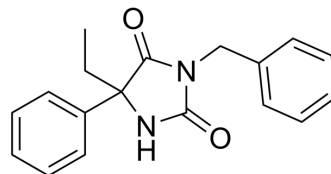


(±)-N-3-Benzylirvanol

Cat. No.:	HY-137258
CAS No.:	93879-40-4
Molecular Formula:	C ₁₈ H ₁₈ N ₂ O ₂
Molecular Weight:	294.35
Target:	Cytochrome P450
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (849.33 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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.

BIOLOGICAL ACTIVITY

Description

(±)-N-3-Benzylirvanol is a racemic mixture of (+)-N-3-Benzylirvanol and (-)-N-3-Benzylirvanol. (+)-N-3-Benzylirvanol and (-)-N-3-Benzylirvanol are potent and selective cytochrome P450 inhibitors with K_i values of 0.25 and 5.3 μM for CYP2C19, respectively^[1].

REFERENCES

[1]. Hisashi Suzuki, et al. (+)-N-3-Benzyl-nirvanol and (-)-N-3-benzyl-phenobarbital: new potent and selective in vitro inhibitors of CYP2C19. Drug Metab Dispos. 2002 Mar;30(3):235-9.

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

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