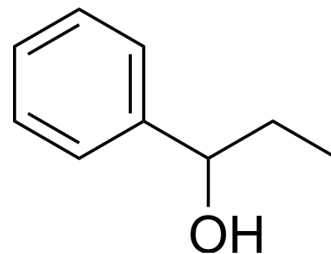


1-Phenyl-1-propanol

Cat. No.:	HY-W012618		
CAS No.:	93-54-9		
Molecular Formula:	C ₉ H ₁₂ O		
Molecular Weight:	136.19		
Target:	Others		
Pathway:	Others		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (734.27 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	7.3427 mL	36.7134 mL	73.4268 mL
	5 mM	1.4685 mL	7.3427 mL	14.6854 mL
	10 mM	0.7343 mL	3.6713 mL	7.3427 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

1-Phenyl-1-propanol is used as a chiral building block and synthetic intermediate in the pharmaceutical industries. 1-Phenyl-1-propanol is an intermediate of anti-depressant agent Fluoxetine^{[1][2]}.

REFERENCES

[1]. Soyer A, et al. Optimization of lipase-catalyzed enantioselective production of 1-phenyl 1-propanol using response surface methodology. *Prep Biochem Biotechnol.* 2010;40(4):389-404.

[2]. Xavier S, et al. NBO, conformational, NLO, HOMO-LUMO, NMR and electronic spectral study on 1-phenyl-1-propanol by quantum computational methods. *Spectrochim Acta A Mol Biomol Spectrosc.* 2015;137:306-320.

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

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