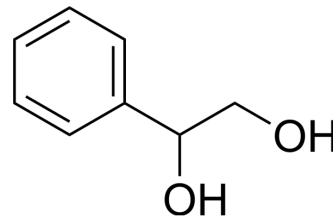


1-Phenylethane-1,2-diol

Cat. No.:	HY-W015788		
CAS No.:	93-56-1		
Molecular Formula:	C ₈ H ₁₀ O ₂		
Molecular Weight:	138.16		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-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 (723.80 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	7.2380 mL	36.1899 mL	72.3798 mL
	5 mM	1.4476 mL	7.2380 mL	14.4760 mL
	10 mM	0.7238 mL	3.6190 mL	7.2380 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (18.09 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (18.09 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (18.09 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

1-Phenylethane-1,2-diol is a typical benzyl diol compound. 1-Phenylethane-1,2-diol can be oxidized to hydroxyl ketone (2-hydroxy-1-phenylethan-1-one) selectively with variety of catalysts, including organocatalysts, metal complexes, non-noble metal oxides, bimetallics^[1].

REFERENCES

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

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