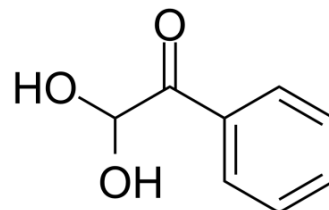


2,2-Dihydroxy-1-phenylethan-1-one

Cat. No.:	HY-128407
CAS No.:	1075-06-5
Molecular Formula:	C ₈ H ₈ O ₃
Molecular Weight:	152.15
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the COA.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (1643.12 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	6.5725 mL	32.8623 mL	65.7246 mL
		5 mM	1.3145 mL	6.5725 mL	13.1449 mL
10 mM		0.6572 mL	3.2862 mL	6.5725 mL	
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: ≥ 2.08 mg/mL (13.67 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (13.67 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (13.67 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	2,2-Dihydroxy-1-phenylethan-1-one (compound 2d) is an intermediate of pharmaceutical synthesis with antioxidant property ^[1] .
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REFERENCES

[1]. Tania Kundu, et al. Expeditious and eco-friendly synthesis of new multifunctionalized pyrrole derivatives and evaluation of their antioxidant property.

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

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