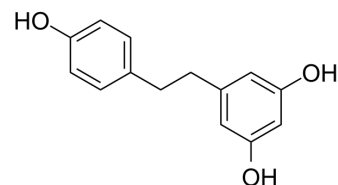


Dihydroresveratrol

Cat. No.:	HY-N3755
CAS No.:	58436-28-5
Molecular Formula:	C ₁₄ H ₁₄ O ₃
Molecular Weight:	230.26
Target:	Estrogen Receptor/ERR
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (434.29 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	4.3429 mL	21.7146 mL	43.4292 mL
				5 mM	0.8686 mL	4.3429 mL	8.6858 mL
				10 mM	0.4343 mL	2.1715 mL	4.3429 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 (10.86 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (10.86 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (10.86 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Dihydroresveratrol, a potent phytoestrogen, is a hormone receptor modulator. Dihydroresveratrol exhibits proliferative effects in androgen-independent prostate and breast cancer cells at picomolar and nanomolar concentrations ^[1] .
In Vitro	Treatment with 0.1 nM-0.1 μM of Dihydroresveratrol significantly increases the growth of PC-3 prostate cancer cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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