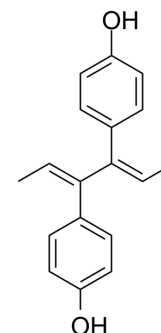


Dienestrol

Cat. No.:	HY-B1403		
CAS No.:	84-17-3		
Molecular Formula:	C ₁₈ H ₁₈ O ₂		
Molecular Weight:	266.33		
Target:	Estrogen Receptor/ERR		
Pathway:	Vitamin D Related/Nuclear Receptor		
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 : 155 mg/mL (581.98 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.7547 mL	18.7737 mL	37.5474 mL
	5 mM	0.7509 mL	3.7547 mL	7.5095 mL
	10 mM	0.3755 mL	1.8774 mL	3.7547 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: 2.08 mg/mL (7.81 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (7.81 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (7.81 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Dienestrol is a synthetic, non-steroidal estrogen, is an estrogen receptor agonist, for the treatment of menopausal and postmenopausal symptoms.

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

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