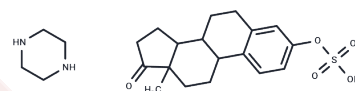


Estropipate

Chemical Properties

CAS No. :	7280-37-7
Formula:	C ₂₂ H ₃₂ N ₂ O ₅ S
Molecular Weight:	436.56
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Estropipate (Piperazine estrone sulfate) is a natural estrogenic substance composed of estrone sulfate and piperazine.
Targets(IC50)	Estrogen Receptor/ERR,Estrogen/progestogen Receptor

Solubility Information

Solubility	DMSO: 40 mg/mL (91.63 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.58 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2906 mL	11.4532 mL	22.9064 mL
5 mM	0.4581 mL	2.2906 mL	4.5813 mL
10 mM	0.2291 mL	1.1453 mL	2.2906 mL
50 mM	0.0458 mL	0.2291 mL	0.4581 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Brama M, et al. Mol Cell Endocrinol. 2007 Jan 29;264(1-2):102-8.

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