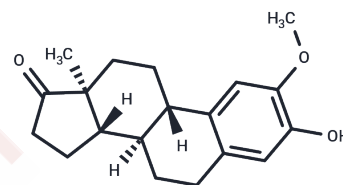


2-Methoxyestrone

Chemical Properties

CAS No. :	362-08-3
Formula:	C ₁₉ H ₂₄ O ₃
Molecular Weight:	300.39
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	2-Methoxyestrone is a methoxylated catechol estrogen and the principal metabolite of 2-hydroxyestrone [a nonuterotropic metabolite of estradiol].
Targets(IC50)	Endogenous Metabolite
In vivo	2-Methoxyestrone, given at noon of proestrus, significantly augments the magnitude of the preovulatory prolactin rise possibly by inhibiting the formation of endogenous 2-hydroxyestrogens in the brain[2].

Solubility Information

Solubility	DMSO: 44 mg/mL (146.48 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.329 mL	16.645 mL	33.2901 mL
5 mM	0.6658 mL	3.329 mL	6.658 mL
10 mM	0.3329 mL	1.6645 mL	3.329 mL
50 mM	0.0666 mL	0.3329 mL	0.6658 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

Lewis KM, et al. pKa values of estrone, 17 beta-estradiol and 2-methoxyestrone. Steroids. 1979 Nov;34(5):485-99.
Katayama S, Fishman J. 2-Hydroxyestrone suppresses and 2-methoxyestrone augments the preovulatory prolactin surge in the cycling rat. Endocrinology. 1982 Apr;110(4):1448-50.

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