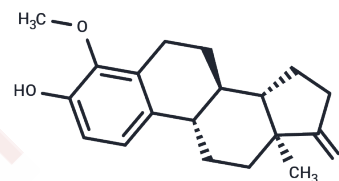


4-hydroxyestrone-4-methyl ether

Chemical Properties

CAS No. :	58562-33-7
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 <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	4-hydroxyestrone-4-methyl ether (4-Methoxy Estrone) is the methylation of 4-OHE1, which is catalyzed by COMT.
Targets(IC50)	Estrogen Receptor/ERR,Endogenous Metabolite
In vitro	4-hydroxyestrone-4-methyl ether(10 and 100 nM) increases the proliferation of human umbilical vein endothelial cells (HUVECs)[2].

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

- Emons G, et al. Radioimmunoassay for 4-hydroxyestrone 4-methyl ether in human urine. *Horm Metab Res.* 1982 Jul;14(7):376-9.
- Dawling S, et al. Catechol-O-methyltransferase (COMT)-mediated metabolism of catechol estrogens: comparison of wild-type and variant COMT isoforms. *Cancer Res.* 2001 Sep 15;61(18):6716-22.
- Lippert C, et al. The effects of A-ring and D-ring metabolites of estradiol on the proliferation of vascular endothelial cells. *Life Sci.* 2000 Aug 18;67(13):1653-8.

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