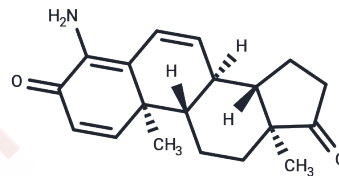


Minamestane

Chemical Properties

CAS No. :	105051-87-4
Formula:	C ₁₉ H ₂₃ NO ₂
Molecular Weight:	297.39
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	Minamestane is a novel irreversible aromatase inhibitor. Minamestane induces time-dependent inhibition of human placental aromatase with a half-life of 4 minutes and a K of 59 nM. Minamestane has antitumor activity.
Targets(IC50)	Aromatase, Cytochromes P450

Solubility Information

Solubility	DMSO: 60 mg/mL (201.76 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	3.3626 mL	16.8129 mL	33.6259 mL
5 mM	0.6725 mL	3.3626 mL	6.7252 mL
10 mM	0.3363 mL	1.6813 mL	3.3626 mL
50 mM	0.0673 mL	0.3363 mL	0.6725 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

Di Salle E, et al. Novel aromatase and 5 α -reductase inhibitors. The Journal of Steroid Biochemistry and Molecular Biology. 1994; 49(4-6): 289-294.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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