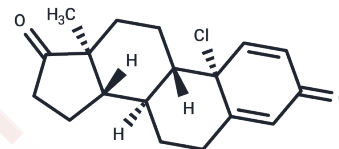


10-Chloroestra-1,4-diene-3,17-dione

Chemical Properties

CAS No. :	91413-55-7
Formula:	C ₁₈ H ₂₁ ClO ₂
Molecular Weight:	304.80
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	10-Chloroestra-1,4-diene-3,17-dione acts as an estrogen receptor α (ER α) agonist, enhancing reporter gene expression in <i>S. cerevisiae</i> with an EC ₅₀ of 0.36 nM for the human receptor. Additionally, it functions as an aromatase inhibitor, exhibiting an IC ₅₀ of 2.4 μ M.
Targets(IC ₅₀)	Estrogen Receptor/ERR,Others

Solubility Information

Solubility	Chloroform: 10 mg/mL (32.81 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	3.2808 mL	16.4042 mL	32.8084 mL
5 mM	0.6562 mL	3.2808 mL	6.5617 mL
10 mM	0.3281 mL	1.6404 mL	3.2808 mL
50 mM	0.0656 mL	0.3281 mL	0.6562 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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