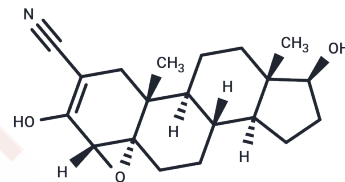


## Trilostane

## Chemical Properties

CAS No. :	13647-35-3
Formula:	C <sub>20</sub> H <sub>27</sub> NO <sub>3</sub>
Molecular Weight:	329.43
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	Trilostane (Win 24540) is a synthetic androstane derivative with adrenocortical suppressive properties, reversibly inhibiting 3 beta-hydroxysteroid dehydrogenase delta [5-4] isomerase in the adrenal cortex.
Targets(IC50)	Others,Dehydrogenase
In vitro	In MCF-7, Trilostane affects the transcription of genes involved in cell cycle regulation, cell adhesion and matrix formation.
In vivo	In MCF-7, Trilostane affects the transcription of genes involved in cell cycle regulation, cell adhesion and matrix formation.

## Solubility Information

Solubility	DMSO: 245 mg/mL (743.71 mM),Sonication is recommended. Ethanol: < 1 mg/mL (insoluble or slightly soluble), H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (30.36 mM),Solution. 10% DMSO+90% Saline: < 10 mg/mL (30.36 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+90% Corn Oil: 2 mg/mL (6.07 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

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	1mg	5mg	10mg
1 mM	3.0355 mL	15.1777 mL	30.3555 mL
5 mM	0.6071 mL	3.0355 mL	6.0711 mL
10 mM	0.3036 mL	1.5178 mL	3.0355 mL
50 mM	0.0607 mL	0.3036 mL	0.6071 mL

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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

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