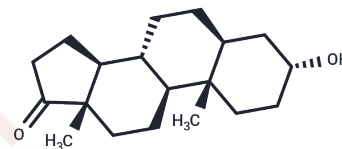


Androsterone

Chemical Properties

CAS No. :	53-41-8
Formula:	C ₁₉ H ₃₀ O ₂
Molecular Weight:	290.44
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	Androsterone, a metabolic product of testosterone, can activate Farnesoid X Receptor (FXR).
Targets(IC50)	FXR,Endogenous Metabolite,Autophagy

Solubility Information

Solubility	DMSO: 20 mg/mL (68.86 mM),Sonication is recommended. H ₂ O: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4431 mL	17.2153 mL	34.4305 mL
5 mM	0.6886 mL	3.4431 mL	6.8861 mL
10 mM	0.3443 mL	1.7215 mL	3.4431 mL
50 mM	0.0689 mL	0.3443 mL	0.6886 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

Wang S, et al. The nuclear hormone receptor farnesoid X receptor (FXR) is activated by androsterone. *Endocrinology*. 2006 Sep;147(9):4025-33.

Kaminski RM, et al. Anticonvulsant activity of androsterone and etiocholanolone. *Epilepsia*. 2005 Jun;46(6):819-27.

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