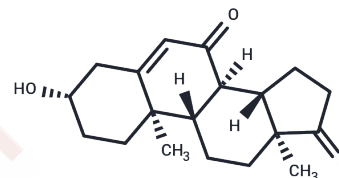


7-Keto DHEA

Chemical Properties

CAS No. :	566-19-8
Formula:	C19H26O3
Molecular Weight:	302.41
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	7-Keto DHEA binds to the gamma-aminobutyric acid (GABA) receptor. Studies 7-Keto DHEA reduces ethanol intake in rat models, indicating a modulatory effect on alcohol consumption behavior. 7-Keto DHEA therefore exhibits potential as a investigational compound of alcohol dependence disorders, contributing to the broader field of addiction research.
Targets(IC50)	Others,GABA Receptor

Solubility Information

Solubility	DMSO: 40 mg/mL (132.27 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 4 mg/mL (13.23 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

	1mg	5mg	10mg
1 mM	3.3068 mL	16.5338 mL	33.0677 mL
5 mM	0.6614 mL	3.3068 mL	6.6135 mL
10 mM	0.3307 mL	1.6534 mL	3.3068 mL
50 mM	0.0661 mL	0.3307 mL	0.6614 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

Worrel ME, et al., Effects of 7-keto dehydroepiandrosterone on voluntary ethanol intake in male rats. Alcohol. 2011 Jun;45(4):349-54.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481