

11-Oxo etiocholanolone

Chemical Properties

CAS No. : 739-27-5

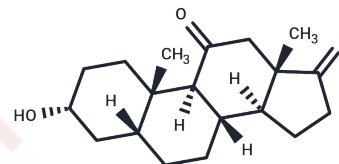
Formula: C₁₉H₂₈O₃

Molecular Weight: 304.43

Store at low temperature

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	11-Oxo etiocholanolone is a metabolite of cortisol and 11-keto testosterone, applicable for relevant research in life sciences.
Targets(IC50)	Endogenous Metabolite
In vitro	During the breeding season, a steroid substance called 11-Oxo etiocholanolone is present in male lumpfish. When stimulated by salmon gonadotropin-releasing hormone analogs, this substance is released from male lumpfish into the water in both free and various conjugated forms [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2848 mL	16.4241 mL	32.8483 mL
5 mM	0.657 mL	3.2848 mL	6.5697 mL
10 mM	0.3285 mL	1.6424 mL	3.2848 mL
50 mM	0.0657 mL	0.3285 mL	0.657 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

Wesley J Arbuckle, et al. In Vitro Biosynthesis of Novel 5beta-reduced Steroids by the Testis of the Round Goby, Neogobius Melanostomus. Gen Comp Endocrinol. 2005 Jan 1;140(1):1-13.

Katare YK, et al. Release of free and conjugated forms of the putative pheromonal steroid 11-oxo-etiocholanolone by reproductively mature male round goby (Neogobius melanostomus Pallas, 1814). Biol Reprod. 2011 Feb;84(2): 288-98.

Ping Li, et al. Natural and Enantiomeric Etiocholanolone Interact With Distinct Sites on the Rat alpha1beta2gamma2L GABAA Receptor. Mol Pharmacol. 2007 Jun;71(6):1582-90.

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