

Estrone-3-Glucuronide sodium hydrate

Chemical Properties

CAS No. :

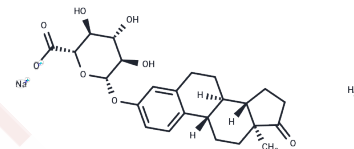
Formula: C₂₄H₃₁NaO₉

Molecular Weight: 486.49

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	Estrone-3-Glucuronide sodium hydrate is the major metabolite of estrone, serving as a biological marker for sex determination in the Chinese giant salamander.
Targets(IC50)	Endogenous Metabolite
In vitro	Estrone-3-Glucuronide sodium hydrate can be used as a urinary marker to predict fertile period. [1]

Solubility Information

Solubility	DMSO: 8 mg/mL (16.44 mM),Sonication is recommended. Ethanol: 8 mg/mL (16.44 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	2.0555 mL	10.2777 mL	20.5554 mL
5 mM	0.4111 mL	2.0555 mL	4.1111 mL
10 mM	0.2056 mL	1.0278 mL	2.0555 mL
50 mM	0.0411 mL	0.2056 mL	0.4111 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

Bouchard T, et al. Establishing a Gold Standard for Quantitative Menstrual Cycle Monitoring. *Medicina (Kaunas)*. 2023 Aug 23;59(9):1513.

Bouchard TP, et al. Using Quantitative Hormone Monitoring to Identify the Postpartum Return of Fertility. *Medicina (Kaunas)*. 2023 Nov 15;59(11):2008.

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