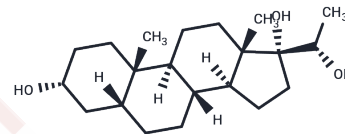


Pregnanetriol

Chemical Properties

CAS No. :	1098-45-9
Formula:	C ₂₁ H ₃₆ O ₃
Molecular Weight:	336.516
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	Pregnanetriol is a metabolite of 17 α -hydroxyprogesterone .1,2It is formed from 17 α -hydroxyprogesterone by reduction of the C-20 ketone.2Urinary levels of pregnanetriol are elevated in patients with 21-hydroxylase deficiency and congenital adrenal hyperplasia.3,4
Targets(IC50)	Others,Drug Metabolite,Progesterone Receptor

Solubility Information

Solubility	Methanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9716 mL	14.858 mL	29.7159 mL
5 mM	0.5943 mL	2.9716 mL	5.9432 mL
10 mM	0.2972 mL	1.4858 mL	2.9716 mL
50 mM	0.0594 mL	0.2972 mL	0.5943 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

- Kamrath, C., Hartmann, M.F., Boettcher, C., et al. Diagnosis of 21-hydroxylase deficiency by urinary metabolite ratios using gas chromatography-mass spectrometry analysis: Reference values for neonates and infants. *J. Steroid Biochem. Mol. Biol.* 156:10-16 (2016)
- Schiffer, L., Barnard, L., Baranowski, E.S., et al. Human steroid biosynthesis, metabolism and excretion are differentially reflected by serum and urine steroid metabolomes: A comprehensive review. *J. Steroid Biochem. Mol. Biol.* 194:105439 (2019)
- Disorders of steroidogenesis guide to steroid profiling and biochemical diagnosis (2019)
- Shackleton, C.H.L. Role of a disordered steroid metabolome in the elucidation of sterol and steroid biosynthesis. *Lipids* 47(1):1-12 (2012)

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