

## 11Beta-hydroxyprogesterone

## Chemical Properties

CAS No.:	600-57-7
Formula:	C <sub>21</sub> H <sub>30</sub> O <sub>3</sub>
Molecular Weight:	330.46
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

## Biological Description

Description	The progesterone derivatives 11 alpha- and 11 beta-hydroxyprogesterone are potent inhibitors of 11 beta-hydroxysteroid dehydrogenase (isoforms 1 and 2) in vitro and can confer mineralocorticoid activity on corticosterone in the rat in vivo. 11beta-Hydroxyprogesterone acts as a mineralocorticoid agonist in stimulating Na <sup>+</sup> absorption in mammalian principal cortical collecting duct cells.
Targets(IC <sub>50</sub> )	Sodium Channel: None

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.026 mL	15.130 mL	30.261 mL
5 mM	0.605 mL	3.026 mL	6.052 mL
10 mM	0.303 mL	1.513 mL	3.026 mL
50 mM	0.061 mL	0.303 mL	0.605 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Inhibitors · Natural Compounds · Compound Libraries

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