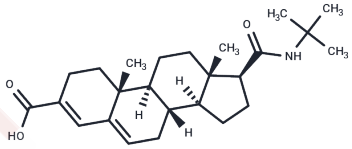
Data Sheet (Cat.No.T15239)

TargetMol

Epristeride

Chemical Properties



CAS No. : 119169-78-7

Formula: C25H37NO3

Molecular Weight: 399.57

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	Epristeride (ONO-9302) is an orally active, selective and non-competitive steroidal 5-α-reductase isoform 2 inhibitor that inhibits SR isoform 2.Episteride reduces prostate size and improves symptoms in men with BPH.Episteride induces atrophy and apoptosis of the ventral prostate in rats.
Targets(IC50)	Apoptosis,Reductase
In vitro	Epristeride reduces ACP activity and induces cell apoptosis, making it suitable for research related to benign prostatic hyperplasia[1].

Solubility Information

Solubility	DMSO: 80 mg/mL (200.22 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5027 mL	12.5135 mL	25.0269 mL
5 mM	0.5005 mL	2.5027 mL	5.0054 mL
10 mM	0.2503 mL	1.2513 mL	2.5027 mL
50 mM	0.0501 mL	0.2503 mL	0.5005 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

Qian LH, et al. Atrophy and apoptosis in ventral prostate of rats induced by 5alpha-reductase inhibitor, epristeride. Acta Pharmacol Sin. 2001 May;22(5):399-404.

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