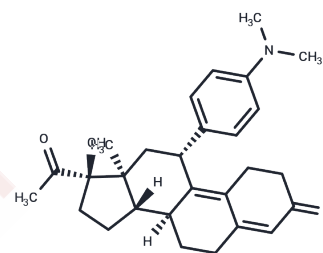


Ulipristal

Chemical Properties

CAS No. : 159811-51-5
Formula: C₂₈H₃₅NO₃
Molecular Weight: 433.58
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	Ulipristal is a selective SPRM for emergency contraception after an unprotected intercourse or contraceptive failure.
Targets(IC50)	Estrogen/progestogen Receptor, Progesterone Receptor
In vitro	Ulipristal acetate has partial agonistic as well as antagonistic effects on the progesterone receptor. It also binds to the glucocorticoid receptor, but has no relevant affinity to the estrogen, androgen and mineralocorticoid receptors.[1]
In vivo	Based on clinical trials, ulipristal acetate seems to be a reasonably tolerable and effective method of emergency contraception when used within 120 hours of intercourse. Ulipristal acetate is at least as effective as LNG when used within the first 72 hours after unprotected intercourse. However, ulipristal acetate may be more effective than LNG when used between 72 to 120 hours after unprotected intercourse, extending the window of opportunity for emergency contraception. [2][3]

Solubility Information

Solubility	DMSO: 55 mg/mL (126.85 mM), Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: 12 mg/mL (27.68 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	2.3064 mL	11.5319 mL	23.0638 mL
5 mM	0.4613 mL	2.3064 mL	4.6128 mL
10 mM	0.2306 mL	1.1532 mL	2.3064 mL
50 mM	0.0461 mL	0.2306 mL	0.4613 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

Attardi BJ, et al. J Steroid Biochem Mol Biol, 2004, 88(3), 277-288.

Richardson AR, et al. Clin Ther, 2012, 34(1), 24-36.

Snow SE, et al. Ann Pharmacother, 2011, 45(6), 780-786.

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