

Norgestimate

Chemical Properties

CAS No. : 35189-28-7

Formula: C₂₃H₃₁NO₃

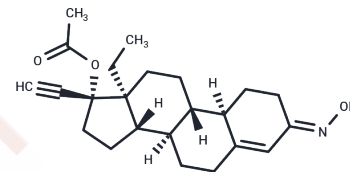
Molecular Weight: 369.5

Storage:

Keep away from moisture, Store at low temperature,
Store under nitrogen

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	Norgestimate is an acetylated progestin used in combination with ethinyl estradiol as an oral contraceptive.
Targets(IC50)	Progesterone Receptor
In vivo	Norgestimate(NGM) inhibits the formation of biofilms by various staphylococcal strains. NGM is an acetylated progestin that is used as an oral contraceptive. NGM is swiftly converted in the liver and intestines to 17DN, a deacetylated metabolite with progestogenic properties.

Solubility Information

Solubility	DMSO: 45 mg/mL (121.79 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	2.7064 mL	13.5318 mL	27.0636 mL
5 mM	0.5413 mL	2.7064 mL	5.4127 mL
10 mM	0.2706 mL	1.3532 mL	2.7064 mL
50 mM	0.0541 mL	0.2706 mL	0.5413 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

Yoshii Y , Okuda K I , Yamada S , et al. Norgestimate inhibits staphylococcal biofilm formation and resensitizes methicillin-resistant Staphylococcus aureus to β -lactam antibiotics[J]. npj Biofilms and Microbiomes, 2017, 3(1):18.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481