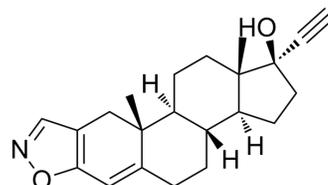


Danazol

Cat. No.:	HY-B1029		
CAS No.:	17230-88-5		
Molecular Formula:	C ₂₂ H ₂₇ NO ₂		
Molecular Weight:	337.46		
Target:	Androgen Receptor		
Pathway:	Vitamin D Related/Nuclear Receptor		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	1 year
		-20°C	6 months



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (74.08 mM; ultrasonic and warming and heat to 60°C)
 Ethanol : 20 mg/mL (59.27 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.9633 mL	14.8166 mL	29.6331 mL
	5 mM	0.5927 mL	2.9633 mL	5.9266 mL
	10 mM	0.2963 mL	1.4817 mL	2.9633 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (7.41 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (7.41 mM); Clear solution
- Add each solvent one by one: 10% EtOH >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2 mg/mL (5.93 mM); Clear solution
- Add each solvent one by one: 10% EtOH >> 90% corn oil
Solubility: ≥ 2 mg/mL (5.93 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Danazol is a derivative of the synthetic steroid Ethisterone, which inhibits gonadotropin production and has a certain weak androgenic effect. Danazol is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

CUSTOMER VALIDATION

- Biotechnol Bioeng. 2021 Sep 3.
- Cardiovasc Drugs Ther. 2021 Jan 7.
- Research Square Preprint. 2020 Nov 4;rs.3.rs-100914.

See more customer validations on www.MedChemExpress.com

Caution: Product has not been fully validated for medical applications. For research use only.

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