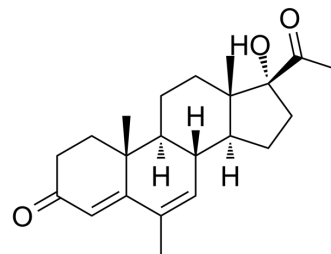


Megestrol

Cat. No.:	HY-B1834		
CAS No.:	3562-63-8		
Molecular Formula:	C ₂₂ H ₃₀ O ₃		
Molecular Weight:	342.47		
Target:	Drug Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 70 mg/mL (204.40 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.9200 mL	14.5998 mL	29.1996 mL
	5 mM	0.5840 mL	2.9200 mL	5.8399 mL
	10 mM	0.2920 mL	1.4600 mL	2.9200 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 2.33 mg/mL (6.80 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.33 mg/mL (6.80 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.33 mg/mL (6.80 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Megestrol is a synthetic progestin and used for the treatment of anorexia, cachexia, or an unexplained significant weight loss in patients with an acquired immunodeficiency syndrome diagnosis^[1].

REFERENCES

[1]. Garcia JM, et al. Off-Label Megestrol in Patients with Anorexia-Cachexia Syndrome Associated with Malignancy and Its Treatments. Am J Med. 2018 Jun;131(6):623-629.e1.

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

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