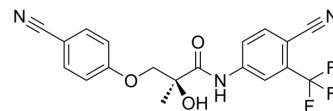


Ostarine

Cat. No.:	HY-13273		
CAS No.:	841205-47-8		
Molecular Formula:	C ₁₉ H ₁₄ F ₃ N ₃ O ₃		
Molecular Weight:	389.33		
Target:	Androgen Receptor		
Pathway:	Vitamin D Related/Nuclear Receptor		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (256.85 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.5685 mL	12.8426 mL	25.6852 mL
	5 mM	0.5137 mL	2.5685 mL	5.1370 mL
	10 mM	0.2569 mL	1.2843 mL	2.5685 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: ≥ 2.5 mg/mL (6.42 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: 2.5 mg/mL (6.42 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (6.42 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Ostarine (MK-2866; GTX-024) is a modulator of human androgen receptor. IC50 value: Target: androgen receptor. Ostarine (MK-2866) is an androgen receptor modulator (SARM) with an ED50 of 0.44 mg/day. Ostarine (MK-2866) has anabolic activity. Lack of PSA increases in men and hair growth in women further corroborated selective anabolic effects of Ostarine (MK-2866). Ostarine (MK-2866) also resulted in a dose-dependent decrease in LDL and HDL cholesterol levels, with the average LDL/HDL ratio for all doses remaining in the low cardiovascular risk category.

CUSTOMER VALIDATION

- Drug Test Anal. 2020 Aug 27.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Thevis M, et al. Trafficking of drug candidates relevant for sports drug testing: detection of non-approved therapeutics categorized as anabolic and gene doping agents in products distributed via the Internet. Drug Test Anal. 2011 May;3(5):331-6. doi: 10.1002/dta.283.

[2]. Zilbermint MF, et al. Nonsteroidal selective androgen receptor modulator Ostarine in cancer cachexia. Nonsteroidal selective androgen receptor modulator Ostarine in cancer cachexia.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA