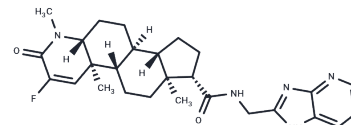


MK-0773

Chemical Properties

CAS No. : 606101-58-0
Formula: C₂₇H₃₄FN₅O₂
Molecular Weight: 479.59
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	MK-0773 (PF-05314882) is a selective androgen receptor modulator that binds to AR (IC ₅₀ : 6.6 nM) for the study of diseases caused by endocrine abnormalities.
Targets(IC ₅₀)	Androgen Receptor
In vitro	The affinity of MK-0773 for AR across species can be evaluated using COS cells transfected with AR, with respective IC ₅₀ values as follows: rat, 0.50 nM; dog, 0.55 nM; rhesus, 0.45 nM; human, 0.65 nM[1].
In vivo	Treatment of OVX rats with MK-0773 (5 mg/kg, 25 mg/kg), 2-FPA, TFM-4AS-1, and DHT for 24 days resulted in a decrease in total cholesterol and high-density lipoprotein by 25-37%[1].

Solubility Information

Solubility	DMSO: 20 mg/mL (41.70 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	2.0851 mL	10.4256 mL	20.8511 mL
5 mM	0.417 mL	2.0851 mL	4.1702 mL
10 mM	0.2085 mL	1.0426 mL	2.0851 mL
50 mM	0.0417 mL	0.2085 mL	0.417 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.

Reference

Schmidt A, et al. Discovery of the selective androgen receptor modulator MK-0773 using a rational development strategy based on differential transcriptional requirements for androgenic anabolism versus reproductive

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481