



**MK-0773** 

**Catalog No: tcsc1508** 

Available Sizes
Size: 5mg
Size: 10mg
Size: 50mg
Size: 100mg
Specifications Specifications
<b>CAS No:</b> 606101-58-0
<b>Formula:</b> $C_{27}^{H}_{34}^{FN}_{5}^{O}_{2}$
Pathway: Others
Target: Androgen Receptor
Purity / Grade: >98%
Solubility: 10 mM in DMSO
Alternative Names: PF-05314882
Observed Molecular Weight: 479.59



## **Product Description**

MK-0773 is a **selective androgen receptor modulators (SARMs)** that binds to AR with an  $IC_{50}$  of 6.6 nM.

IC50 & Target: IC50: 6.6 nM (AR)

In Vitro: The IC<sub>50</sub> of MK-0773 binding to AR is increased 3.5-fold in the presence of 25% rat serum and 13-fold in the presence of 25% human serum, indicating that it binds to serum proteins. The affinity of MK-0773 for AR across species is evaluated using COS cells transfected with AR, and IC<sub>50</sub> values are very similar in four species (rat, 0.50 nM; dog, 0.55 nM; rhesus, 0.45 nM; human, 0.65 nM)<sup>[1]</sup>.

*In Vivo:* MK-0773 (6 and 80 mg/kg, s.c.) produces exposure-related stimulatory effects on cortical BFR and LBM in the OVX rat model. MK-0773 (5, 15, and 80 mg/kg, s.c.) increases seminal vesicle weights, and has reduced effects on the prostate. The partial agonism and tissue selectivity of MK-0773 does not translate into differential effects on lipid metabolism in OVX rats<sup>[1]</sup>.

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!