GLPG0492 (R enantiomer)

Cat. No.: HY-18102A

CAS No.: 1215085-93-0

Molecular Formula: $C_{19}H_{14}F_3N_3O_3$

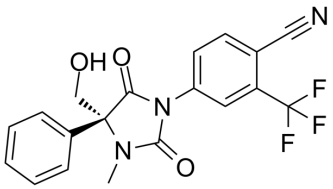
Molecular Weight: 389.33

Target: Androgen Receptor

Pathway: Vitamin D Related/Nuclear Receptor

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	2 years
	-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (256.85 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	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

1. 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
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (6.42 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (6.42 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

GLPG0492 R enantiomer is the R enantiomer of GLPG-0492, which is a novel selective androgen receptor modulator.

REFERENCES

[1]. Nique F, et al. Identification of a 4-(hydroxymethyl)diarylhydantoin as a selective androgen receptor modulator. J Med Chem. 2012 Oct 11;55(19):8236-47.

[2]. Cozzoli A, et al. GLPG0492, a novel selective androgen receptor modulator, improves muscle performance in the exercised-mdx mouse model of muscular dystrophy.

Pharmacol Res. 2013 Jun;72:9-24.

[3]. Blanqué R, et al. Characterization of GLPG0492, a selective androgen receptor modulator, in a mouse model of hindlimb immobilization. BMC Musculoskelet Disord. 2014 Sep 3;15:291.

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