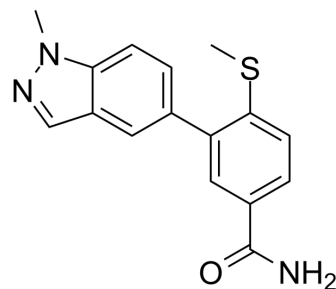


Androgen receptor-IN-6

Cat. No.:	HY-155478		
CAS No.:	3016437-05-8		
Molecular Formula:	C ₁₆ H ₁₅ N ₃ OS		
Molecular Weight:	297.37		
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 : 50 mg/mL (168.14 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.3628 mL	16.8141 mL	33.6281 mL
	5 mM		0.6726 mL	3.3628 mL	6.7256 mL
	10 mM		0.3363 mL	1.6814 mL	3.3628 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 (8.41 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (8.41 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (8.41 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Androgen receptor-IN-6 (compound 16) is an orally available androgen receptor (Androgen Receptor) potent inhibitor (IC₅₀ = 0.12 μM in vitro), targeting the disordered N-terminal domain (NTD). Androgen receptor-IN-6 has good Caco2 cell membrane permeability and has an oral activity (F/%) of 16% in male CD-1 mice^[1].

REFERENCES

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

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