Baxdrostat

Cat. No.: HY-132809

CAS No.: 1428652-17-8

Molecular Formula: $C_{22}H_{25}N_3O_2$

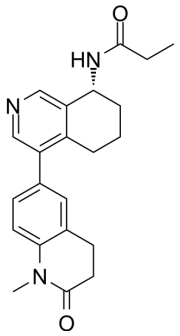
Molecular Weight: 363.45

Target: Mineralocorticoid Receptor

Pathway: Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor

Storage:

Powder	-20°C	3 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (275.14 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.7514 mL	13.7570 mL	27.5141 mL
	5 mM	0.5503 mL	2.7514 mL	5.5028 mL
	10 mM	0.2751 mL	1.3757 mL	2.7514 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: ≥ 2.08 mg/mL (5.72 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.08 mg/mL (5.72 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Baxdrostat is a aldosterone synthase inhibitor[1].

IC_{50} & Target

aldosterone synthase[1]

In Vitro

Baxdrostat is a aldosterone synthase inhibitor[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. International Nonproprietary Names for Pharmaceutical Substances (INN)

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