(Rac)-Finerenone

Cat. No.: HY-111372A

CAS No.: 1050477-27-4

Molecular Formula: $C_{21}H_{22}N_4O_3$

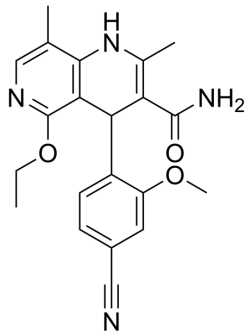
Molecular Weight: 378.42

Target: Mineralocorticoid Receptor

Pathway: Metabolic Enzyme/Protease

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 : 62.5 mg/mL (165.16 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.6426 mL	13.2128 mL	26.4257 mL
	5 mM	0.5285 mL	2.6426 mL	5.2851 mL
	10 mM	0.2643 mL	1.3213 mL	2.6426 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 (5.50 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.08 mg/mL (5.50 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (5.50 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(Rac)-Finerenone ((Rac)-BAY 94-8862) is the racemate of Finerenone. Finerenone is a third-generation, selective, and orally available nonsteroidal mineralocorticoid receptor (MR) antagonist (IC_{50}=18 nM). Finerenone displays excellent selectivity versus glucocorticoid receptor (GR), androgen receptor (AR), and progesterone receptor (>500-fold)[1].

REFERENCES

[1]. Bärfacker L, et al. Discovery of BAY 94-8862: a nonsteroidal antagonist of the mineralocorticoid receptor for the treatment of cardiorenal diseases. ChemMedChem. 2012;7(8):1385-1403.

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