Aromatase-IN-2

Cat. No.: HY-148430

CAS No.: 121768-39-6

Molecular Formula: $C_{17}H_{22}N_2O$

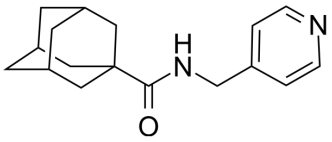
Molecular Weight: 270.37

Target: Cytochrome P450

Pathway: Metabolic Enzyme/Protease

Storage:

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



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (369.86 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	3.6986 mL	18.4932 mL	36.9864 mL
	5 mM	0.7397 mL	3.6986 mL	7.3973 mL
	10 mM	0.3699 mL	1.8493 mL	3.6986 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 (9.25 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (9.25 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (9.25 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Aromatase-IN-2 is a potent aromatase inhibitor with an IC_{50} value of 1.5 μM[1].

IC_{50} & Target

Aromatase

REFERENCES

[1]. Chan FC, et al. 3- and 4-pyridylalkyl adamantanecarboxylates: inhibitors of human cytochrome P450(17 alpha) (17 alpha-hydroxylase/C17,20-lyase). Potential nonsteroidal agents for the treatment of prostatic cancer. J Med Chem. 1996 Aug 16;39(17):3319-23.

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