EVT-401

Cat. No.: HY-145466

Molecular Formula: $C_{22}H_{20}F_4N_2O_3$

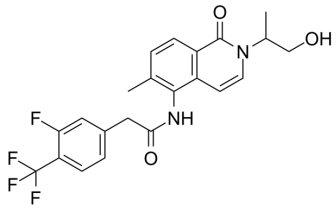
Molecular Weight: 436.4

Target: P2X Receptor

Pathway: Membrane Transporter/Ion Channel

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 : 100 mg/mL (229.15 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.2915 mL	11.4574 mL	22.9148 mL
5 mM	0.4583 mL	2.2915 mL	4.5830 mL
10 mM	0.2291 mL	1.1457 mL	2.2915 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 (5.73 mM); Clear solution; Need ultrasonic
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: 2.5 mg/mL (5.73 mM); Clear solution; Need ultrasonic
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: 2.5 mg/mL (5.73 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

EVT-401 (P2X7 receptor antagonist-1) is a purinergic P2X7 receptor antagonist. EVT-401 has efficacy of combating neuroinflammation[1].

IC_{50} & Target

P2X7 Receptor

REFERENCES

[1]. Binan Zhu, et al. Identification and characterization of related substances in EVT-401 by hyphenated LC-MS techniques. J Pharm Anal

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