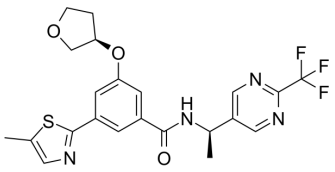
Eliapixant

Cat. No.:	HY-109170
CAS No.:	1948229-21-7
Molecular Formula:	$C_{22}H_{21}F_3N_4O_3S$
Molecular Weight:	478.49
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 : 33.33 mg/mL (69.66 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.0899 mL	10.4495 mL	20.8991 mL
	5 mM	0.4180 mL	2.0899 mL	4.1798 mL
	10 mM	0.2090 mL	1.0450 mL	2.0899 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (5.22 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Eliapixant (BAY 1817080) is a potent and selective antagonist of P2X3 receptor, with an IC_{50} of 8 nM. Eliapixant can be used for the research of refractory chronic cough[1][2].

IC_{50} & Target

IC50: 8 nM (P2X3 receptor)[1]

In Vivo

Eliapixant can be used for the research of coughs and diabetes complications[1].

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

REFERENCES

[1]. Morice A, et, al. Eliapixant (BAY 1817080), a P2X3 receptor antagonist, in refractory chronic cough: a randomised, placebo-controlled, crossover phase 2a study. Eur

Respir J. 2021 May 13;2004240.

[2]. Spinaci A, et, al. P2X3 Receptor Ligands: Structural Features and Potential Therapeutic Applications. Front Pharmacol. 2021 Apr 13;12:653561.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA