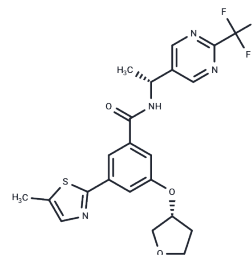


Eliapixant

Chemical Properties

CAS No. :	1948229-21-7
Formula:	C ₂₂ H ₂₁ F ₃ N ₄ O ₃ S
Molecular Weight:	478.49
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Eliapixant (BAY 1817080) (BAY 1817080) is a potent and selective P2X ₃ receptor antagonist, with an IC ₅₀ of 8 nM. Eliapixant can be used for the research of refractory chronic cough.
Targets(IC ₅₀)	P2X Receptor
In vivo	Eliapixant can be used in the study of coughs and diabetes complications[1].

Solubility Information

Solubility	DMSO: 30 mg/mL (62.7 mM), Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL (4.18 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0899 mL	10.4495 mL	20.8991 mL
5 mM	0.418 mL	2.0899 mL	4.1798 mL
10 mM	0.209 mL	1.045 mL	2.0899 mL
50 mM	0.0418 mL	0.209 mL	0.418 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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