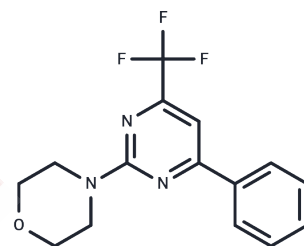


EP2 receptor antagonist-2

Chemical Properties

CAS No. :	615273-95-5
Formula:	C ₁₅ H ₁₄ F ₃ N ₃ O
Molecular Weight:	309.29
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	EP2 receptor antagonist-2 (CID891729) is a compound that blocks EP2 receptor activation by PGE2 and reduces lactate dehydrogenase (LDH) release induced by N-methyl-D-aspartate (NMDA).
Targets(IC50)	Prostaglandin Receptor

Solubility Information

Solubility	DMSO: 112.5 mg/mL (363.74 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (10.67 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	3.2332 mL	16.1661 mL	32.3321 mL
5 mM	0.6466 mL	3.2332 mL	6.4664 mL
10 mM	0.3233 mL	1.6166 mL	3.2332 mL
50 mM	0.0647 mL	0.3233 mL	0.6466 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

Jiang J, et al. Discovery of 2-Piperidinyl Phenyl Benzamides and Trisubstituted Pyrimidines as Positive Allosteric Modulators of the Prostaglandin Receptor EP2. ACS Chem Neurosci. 2018 Apr 18;9(4):699-707.

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