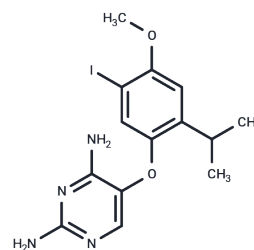


AF-353

Chemical Properties

CAS No. :	865305-30-2
Formula:	C ₁₄ H ₁₇ N ₄ O ₂
Molecular Weight:	400.21
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	AF-353 (Ro-4), an effective and orally bioavailable antagonist of the P2X ₃ /P2X _{2/3} receptor, inhibits human and rat P2X ₃ (pIC ₅₀ = 8.0).
Targets(IC ₅₀)	P2X Receptor

Solubility Information

Solubility	DMSO: 55 mg/mL (137.43 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5 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	2.4987 mL	12.4934 mL	24.9869 mL
5 mM	0.4997 mL	2.4987 mL	4.9974 mL
10 mM	0.2499 mL	1.2493 mL	2.4987 mL
50 mM	0.050 mL	0.2499 mL	0.4997 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

Gever JR, et al. Br J Pharmacol. 2010 Jul;160(6):1387-1398.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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