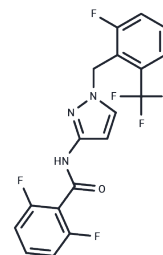


GSK-5498A

Chemical Properties

CAS No. : 1253186-49-0
 Formula: C₁₈H₁₁F₆N₃O
 Molecular Weight: 399.29
 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	GSK-5498A is a selective blocker of CARC (IC ₅₀ , 1 μM). It inhibits mediator release from mast cells, and pro-inflammatory cytokine release from T-cells in a variety of species.
Targets(IC ₅₀)	Others, Calcium Channel

Solubility Information

Solubility	DMSO: 100 mg/mL (250.44 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: 4 mg/mL (10.02 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	2.5044 mL	12.5222 mL	25.0445 mL
5 mM	0.5009 mL	2.5044 mL	5.0089 mL
10 mM	0.2504 mL	1.2522 mL	2.5044 mL
50 mM	0.0501 mL	0.2504 mL	0.5009 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

Rice LV, et al. Characterization of selective Calcium-Release Activated Calcium channel blockers in mast cells and T-cells from human, rat, mouse and guinea-pig preparations. Eur J Pharmacol. 2013 Mar 15;704(1-3):49-57.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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