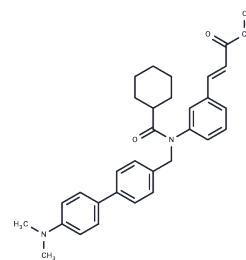


Fexaramine

Chemical Properties

CAS No. :	574013-66-4
Formula:	C32H36N2O3
Molecular Weight:	496.64
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	Fexaramine is a small molecule farnesoid X receptor (FXR) agonist with 100-fold increased affinity compared to natural compounds.
Targets(IC50)	FXR, Autophagy

Solubility Information

Solubility	DMSO: 50 mg/mL (100.68 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 (4.03 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	2.0135 mL	10.0677 mL	20.1353 mL
5 mM	0.4027 mL	2.0135 mL	4.0271 mL
10 mM	0.2014 mL	1.0068 mL	2.0135 mL
50 mM	0.0403 mL	0.2014 mL	0.4027 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

Lam IP, et al. Am J Physiol Gastrointest Liver Physiol. 2009 Jul;297(1): G90-7.

Zheng M, Zhai Y, Yu Y, et al. TNF compromises intestinal bile-acid tolerance dictating colitis progression and limited infliximab response. Cell Metabolism. 2024

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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