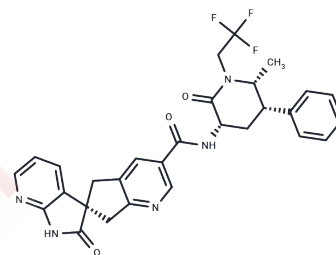


Ubrogепant

Chemical Properties

CAS No. :	1374248-77-7
Formula:	C ₂₉ H ₂₆ F ₃ N ₅ O ₃
Molecular Weight:	549.54
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Ubrogепant (MK-1602) is a calcitonin gene-related peptide receptor antagonist used in acute migraine treatment studies.
Targets(IC50)	CGRP Receptor

Solubility Information

Solubility	DMSO: 245 mg/mL (445.83 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: 5 mg/mL (9.1 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	1.8197 mL	9.0985 mL	18.197 mL
5 mM	0.3639 mL	1.8197 mL	3.6394 mL
10 mM	0.182 mL	0.9099 mL	1.8197 mL
50 mM	0.0364 mL	0.182 mL	0.3639 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

Li CC, et al. Population PK Analyses of Ubrogepant (MK-1602), a CGRP Receptor Antagonist: Enriching In-Clinic Plasma PK Sampling With Outpatient Dried Blood Spot Sampling. J Clin Pharmacol. 2017 Nov 14. doi: 10.1002/jcph.1021.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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