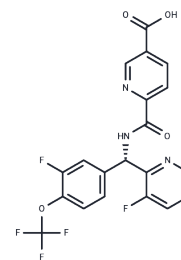


AMG 333

Chemical Properties

CAS No. :	1416799-28-4
Formula:	C ₂₀ H ₁₂ F ₅ N ₃ O ₄
Molecular Weight:	453.32
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	AMG 333 is TRPM8 antagonist with an IC ₅₀ of 13 nM, a Clinical Candidate for the Treatment of Migraine.
Targets(IC ₅₀)	TRP/TRPV Channel

Solubility Information

Solubility	DMSO: 125 mg/mL (275.74 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 (8.82 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	2.2059 mL	11.0297 mL	22.0595 mL
5 mM	0.4412 mL	2.2059 mL	4.4119 mL
10 mM	0.2206 mL	1.103 mL	2.2059 mL
50 mM	0.0441 mL	0.2206 mL	0.4412 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

Horne DB, et al. Discovery of TRPM8 Antagonist (S)-6-(((3-Fluoro-4-(trifluoromethoxy)phenyl)(3-fluoropyridin-2-yl)methyl)carbamoyl)nicotinic Acid (AMG 333), a Clinical Candidate for the Treatment of Migraine. J Med Chem. 2018 Sep 27;61(18):8186-8201.

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