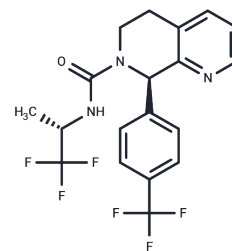


AMG2850

## Chemical Properties

CAS No. : 1470018-52-0  
 Formula: C<sub>19</sub>H<sub>17</sub>F<sub>6</sub>N<sub>3</sub>O  
 Molecular Weight: 417.35  
 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	AMG2850 is a potent, orally bioavailable, and selective antagonist of transient receptor potential melastatin 8 [TRPM8].
Targets(IC50)	TRP/TRPV Channel

## Solubility Information

Solubility	DMSO: 100 mg/mL (239.61 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (7.91 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	2.3961 mL	11.9804 mL	23.9607 mL
5 mM	0.4792 mL	2.3961 mL	4.7921 mL
10 mM	0.2396 mL	1.198 mL	2.3961 mL
50 mM	0.0479 mL	0.2396 mL	0.4792 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

Lehto SG, et al. AMG2850, a potent and selective TRPM8 antagonist, is not effective in rat models of inflammatory mechanical hypersensitivity and neuropathic tactile allodynia. *Naunyn Schmiedebergs Arch Pharmacol.* 2015 Apr; 388(4):465-76.

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