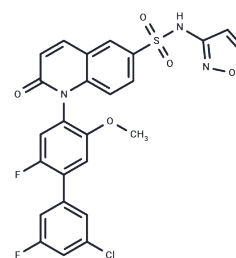


(Rac)-AMG8379

## Chemical Properties

CAS No. : 1641574-26-6  
 Formula: C<sub>25</sub>H<sub>16</sub>ClF<sub>2</sub>N<sub>3</sub>O<sub>5</sub>  
 Molecular Weight: 543.93  
 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	(Rac)-AMG8379 ((Rac)-AMG8380) is a racemate of AMG8379, an orally active and selective sulfonamide NaV1.7 antagonist.
Targets(IC50)	Sodium Channel

## Solubility Information

Solubility	DMSO: 50 mg/mL (91.92 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: 2.5 mg/mL (4.6 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	1.8385 mL	9.1924 mL	18.3847 mL
5 mM	0.3677 mL	1.8385 mL	3.6769 mL
10 mM	0.1838 mL	0.9192 mL	1.8385 mL
50 mM	0.0368 mL	0.1838 mL	0.3677 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

Kornecook TJ, et al. Pharmacologic Characterization of AMG8379, a Potent and Selective Small Molecule Sulfonamide Antagonist of the Voltage-Gated Sodium Channel NaV1.7. J Pharmacol Exp Ther. 2017 Jul;362(1):146-160.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481