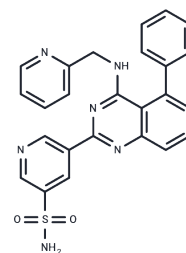


BMS-919373

## Chemical Properties

CAS No. : 1272353-82-8  
 Formula: C<sub>25</sub>H<sub>20</sub>N<sub>6</sub>O<sub>2</sub>S  
 Molecular Weight: 468.53  
 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	BMS-919373 is a potassium channel Kv1.5 (KCNA5) inhibitor for atrial fibrillation and acute coronary syndrome.
Targets(IC50)	Others,Potassium Channel

## Solubility Information

Solubility	DMSO: 27.5 mg/mL (58.69 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 (4.27 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	2.1343 mL	10.6717 mL	21.3434 mL
5 mM	0.4269 mL	2.1343 mL	4.2687 mL
10 mM	0.2134 mL	1.0672 mL	2.1343 mL
50 mM	0.0427 mL	0.2134 mL	0.4269 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

Wisniewski SR, et al. Utilizing Native Directing Groups: Synthesis of a Selective IKur Inhibitor, BMS-919373, via a Regioselective C-H Arylation. J Org Chem. 2019 Apr 19;84(8):4704-4714.

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

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