

BMS986299

## Chemical Properties

CAS No. : 2242952-69-6

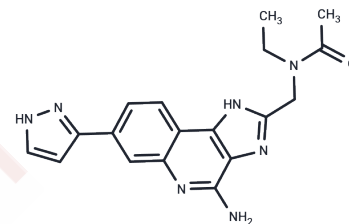
Formula: C<sub>18</sub>H<sub>19</sub>N<sub>7</sub>O

Molecular Weight: 349.39

Store at low temperature

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	BMS986299 is a modulator of NLRP3 with an EC <sub>50</sub> of 1.28 μM and can be used in studies about NLRP3 signaling and the treatment of associated diseases.
Targets(IC <sub>50</sub> )	NOD-like Receptor (NLR),NOD

## Solubility Information

Solubility	DMSO: 150 mg/mL (429.32 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: 10 mg/mL (28.62 mM),Suspension. 10% DMSO+90% Saline: < 10 mg/mL (28.62 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. <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	2.8621 mL	14.3107 mL	28.6213 mL
5 mM	0.5724 mL	2.8621 mL	5.7243 mL
10 mM	0.2862 mL	1.4311 mL	2.8621 mL
50 mM	0.0572 mL	0.2862 mL	0.5724 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

Gary Glick, et al. Substituted imidazo-quinolines as nlrp3 modulators. WO2018152396A1.

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