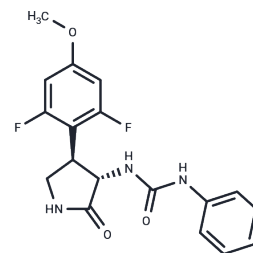


BMS-986235

## Chemical Properties

CAS No. : 2253947-47-4  
 Formula: C<sub>18</sub>H<sub>17</sub>F<sub>2</sub>N<sub>3</sub>O<sub>3</sub>  
 Molecular Weight: 361.34  
 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-986235 (LAR-1219) is a selective and orally active agonist of formyl peptide receptor 2 (FPR2) with EC <sub>50</sub> s of 0.41 nM for hFPR2 and 3.4 nM for mFPR2. BMS-986235 can be used in studies on the prevention of heart failure.
Targets(IC <sub>50</sub> )	Others
In vitro	BMS-986235 inhibits neutrophil chemotaxis and stimulates macrophage phagocytosis, thereby promoting resolution of inflammation[1].
In vivo	In male C57BL/6 mice, BMS-986235 (0.3 mg/kg; p.o.) attenuates left ventricle and global cardiac remodeling after left anterior descending and reduces infarct length by 39% relative to the vehicle. BMS-986235 (1 mg/kg; p.o.) shows the C <sub>max</sub> , T <sub>1/2</sub> , AUC <sub>0-inf</sub> , and bioavailability (BA) values of 160 nmol/L, 0.68 hours, 120 nmol/L·h, and 24%, respectively[1].

## Solubility Information

Solubility	DMSO: 45 mg/mL (124.54 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: 4.5 mg/mL (12.45 mM), Solution. 10% DMSO+90% Saline: < 4.5 mg/mL (12.45 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	2.7675 mL	13.8374 mL	27.6748 mL
5 mM	0.5535 mL	2.7675 mL	5.535 mL
10 mM	0.2767 mL	1.3837 mL	2.7675 mL
50 mM	0.0553 mL	0.2767 mL	0.5535 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

Asahina Y, et al. Discovery of BMS-986235/LAR-1219: A Potent Formyl Peptide Receptor 2 (FPR2) Selective Agonist for the Prevention of Heart Failure [published online ahead of print, 2020 May 24]. J Med Chem. 2020;10.1021/acs.jmedchem.9b02101.

**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