

BMS-905

## Chemical Properties

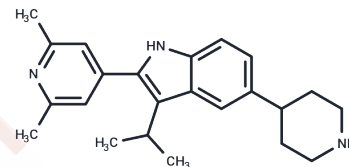
CAS No. : 2205846-49-5

Formula: C<sub>23</sub>H<sub>29</sub>N<sub>3</sub>

Molecular Weight: 347.5

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-905 is a potent dual inhibitors of TLR7 and TLR8 with good selectivity against TLR9 and other family members. BMS-905 can be used in studies about the treatment of diseases such as psoriasis, arthritis, and lupus.
Targets(IC50)	TLR

## Solubility Information

Solubility	DMSO: 4.51 mg/mL (12.98 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: 1 mg/mL (2.88 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	2.8777 mL	14.3885 mL	28.777 mL
5 mM	0.5755 mL	2.8777 mL	5.7554 mL
10 mM	0.2878 mL	1.4388 mL	2.8777 mL
50 mM	0.0576 mL	0.2878 mL	0.5755 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

Sreekantha RK, et al. Identification of 2-Pyridinylindole-Based Dual Antagonists of Toll-like Receptors 7 and 8 (TLR7/8). ACS Med Chem Lett. 2022 Apr 25;13(5):812-818.

**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