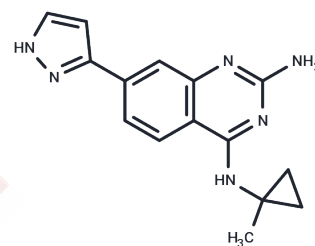


## NLRP3 agonist 1

## Chemical Properties

CAS No. :	2454019-69-1
Formula:	C <sub>15</sub> H <sub>16</sub> N <sub>6</sub>
Molecular Weight:	280.33
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	NLRP3 agonist 1 is an orally active and highly potent NLRP3 agonist that activates the enzyme Caspase-1, which may promote the maturation of pro-inflammatory cytokines.
Targets(IC50)	Caspase,NOD-like Receptor (NLR),NOD

## Solubility Information

Solubility	DMSO: 80 mg/mL (285.38 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: 3.3 mg/mL (11.77 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	3.5672 mL	17.8361 mL	35.6722 mL
5 mM	0.7134 mL	3.5672 mL	7.1344 mL
10 mM	0.3567 mL	1.7836 mL	3.5672 mL
50 mM	0.0713 mL	0.3567 mL	0.7134 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

O' Donovan DH, et al. Discovery and characterisation of quinazolines and 8-Azaquinazolines as NLRP3 agonists with oral bioavailability in mice. *Bioorg Med Chem Lett*. 2023 Nov 15;96:129518.

**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