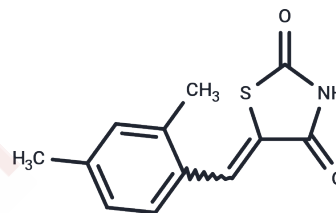


IIIM-1270

## Chemical Properties

CAS No. : 4818-19-3  
 Formula: C<sub>12</sub>H<sub>11</sub>NO<sub>2</sub>S  
 Molecular Weight: 233.29  
 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                | IIIM-1270 is a novel NLRP3 inhibitor capable of suppressing IL-1 $\beta$ release in mouse J774A.1 macrophages (IC <sub>50</sub> =3.5 $\mu$ M), suitable for inflammation research. |
| Targets(IC <sub>50</sub> ) | NOD,IL Receptor  |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 20.00 mg/mL (85.73 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 4.2865 mL | 21.4326 mL | 42.8651 mL |
| 5 mM  | 0.8573 mL | 4.2865 mL  | 8.573 mL   |
| 10 mM | 0.4287 mL | 2.1433 mL  | 4.2865 mL  |
| 50 mM | 0.0857 mL | 0.4287 mL  | 0.8573 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

Abdullaha M, et al. Discovery of benzo[cd]indol-2-one and benzylidene-thiazolidine-2,4-dione as new classes of NLRP3 inflammasome inhibitors via ER- $\beta$  structure based virtual screening. Bioorg Chem. 2020 Jan;95:103500.

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

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