

NIC-12

Chemical Properties

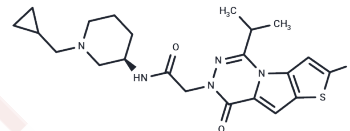
CAS No. : 2409826-23-7

Formula: C₂₂H₂₈ClN₅O₂S

Molecular Weight: 462.01

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 | NIC-12, a potent NLRP3 inhibitor, selectively reduces circulating IL-1 β levels in the LPS-endotoxemia mice model and inhibits NLRP3 inflammasome activation in mouse macrophages [1]. |
| Targets(IC50) | NOD-like Receptor (NLR) |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.1645 mL | 10.8223 mL | 21.6446 mL |
| 5 mM | 0.4329 mL | 2.1645 mL | 4.3289 mL |
| 10 mM | 0.2164 mL | 1.0822 mL | 2.1645 mL |
| 50 mM | 0.0433 mL | 0.2164 mL | 0.4329 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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