

UNC569

## Chemical Properties

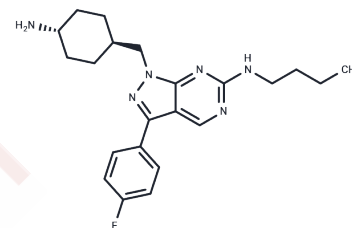
CAS No. : 1350547-65-7

Formula: C<sub>22</sub>H<sub>29</sub>FN<sub>6</sub>

Molecular Weight: 396.5

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   | UNC569 (UNC 569) is a selective inhibitor of URAT1, a transporter in the kidney that regulates uric acid excretion from the body. It is also a selective uric acid re-absorption inhibitor. UNC569 could normalize the amount of uric acid excreted by gout patients previously classified as under-excretors. |
| Targets(IC50) | TAM Receptor   |

## Solubility Information

|                     |   |
|---------------------|---|
| Solubility          | DMSO: 2.15 mg/mL (5.42 mM), Sonication is recommended.<br>H <sub>2</sub> O: Insoluble<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble)   |
| In vivo Formulation | 10% DMSO+90% Saline: 0.22 mg/mL (0.55 mM), Solution.<br>10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.52 mM), Sonication is recommended.<br><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

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|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.5221 mL | 12.6103 mL | 25.2207 mL |
| 5 mM  | 0.5044 mL | 2.5221 mL  | 5.0441 mL  |
| 10 mM | 0.2522 mL | 1.261 mL   | 2.5221 mL  |
| 50 mM | 0.0504 mL | 0.2522 mL  | 0.5044 mL  |

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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

Christoph S, Deryckere D, Schlegel J, Frazer JK, Batchelor LA, Trakhimets AY, Sather S, Hunter DM, Cummings CT, Liu J, Yang C, Kireev D, Simpson C, Norris-Drouin J, Hull-Ryde EA, Janzen WP, Johnson GL, Wang X, Frye SV, Earp HS 3rd, Graham DK. UNC569, a novel small-molecule mer inhibitor with efficacy against acute lymphoblastic leukemia in vitro and in vivo. *Mol Cancer Ther.* 2013 Nov;12(11):2367-77. doi: 10.1158/1535-7163.MCT-13-0040. Epub 2013 Aug 30. PubMed PMID: 23997116; PubMed Central PMCID: PMC3823742.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481