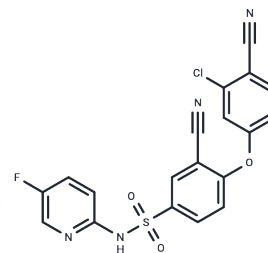


## URAT1 inhibitor 7

## Chemical Properties

CAS No. :	1632002-28-8
Formula:	C <sub>19</sub> H <sub>10</sub> ClFN <sub>4</sub> O <sub>3</sub> S
Molecular Weight:	428.82
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	URAT1 inhibitor 7 is a novel and potent inhibitor of the human uric acid transporter protein URAT1 (IC <sub>50</sub> :12 nM).URAT1 inhibitor 7 inhibits CYP2C9 with an IC <sub>50</sub> of 4.2 μM. URAT1 inhibitor 7 can be used to study hyperuricemia and gout.
Targets(IC <sub>50</sub> )	OAT

## Solubility Information

Solubility	DMSO: 50 mg/mL (116.6 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.332 mL	11.6599 mL	23.3198 mL
5 mM	0.4664 mL	2.332 mL	4.664 mL
10 mM	0.2332 mL	1.166 mL	2.332 mL
50 mM	0.0466 mL	0.2332 mL	0.4664 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

Storer R I, et al. The discovery and evaluation of diaryl ether heterocyclic sulfonamides as URAT1 inhibitors for the treatment of gout. MedChemComm, 2016:10.1039.C6MD00190D.

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

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