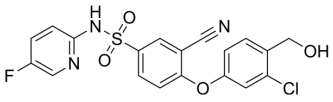
URAT1 inhibitor 8

Cat. No.:	HY-153971
CAS No.:	1632005-33-4
Molecular Formula:	$C_{19}H_{13}ClFN_3O_4S$
Molecular Weight:	433.84
Target:	URAT1
Pathway:	Membrane Transporter/Ion Channel
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (230.50 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.3050 mL	11.5250 mL	23.0500 mL
	5 mM	0.4610 mL	2.3050 mL	4.6100 mL
	10 mM	0.2305 mL	1.1525 mL	2.3050 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: 2.5 mg/mL (5.76 mM); Clear solution; Need ultrasonic
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: 2.5 mg/mL (5.76 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

URAT1 inhibitor 8 (example 247) is a potent URAT1 inhibitor, with an IC_{50} of 0.001 μM. URAT1 inhibitor 8 can be used for gout research[1].

REFERENCES

[1]. Robert Ian Storer, et al. Sulfonamide derivatives as urat-1 inhibitors. WO2014170792A1

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA