

hURAT1 inhibitor 1

Chemical Properties

CAS No. :

Formula: C₂₄H₁₉BrO₄

Molecular Weight: 451.31

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	Compound 27b, also known as hURAT1 inhibitor 1, is an isomarine-derived, orally active inhibitor that targets both hURAT1 and GLUT9 with IC ₅₀ values of 0.16 μM and 4.47 μM, respectively. This compound exhibits significant anti-hyperuricemia effects and has demonstrated potent uric acid-lowering activity in a hyperuricemia mouse model at a dose of 10 mg/kg. Importantly, Compound 27b displays no notable in vitro cytotoxicity or in vivo hepatotoxicity, and possesses favorable pharmacokinetic (PK) characteristics.
Targets(IC ₅₀)	OAT, transporter

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2158 mL	11.0789 mL	22.1577 mL
5 mM	0.4432 mL	2.2158 mL	4.4315 mL
10 mM	0.2216 mL	1.1079 mL	2.2158 mL
50 mM	0.0443 mL	0.2216 mL	0.4432 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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