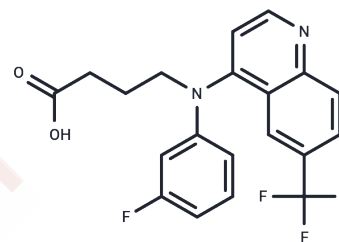


URAT1 inhibitor 11

Chemical Properties

CAS No. :	2416416-13-0
Formula:	C ₂₀ H ₁₆ F ₄ N ₂ O ₂
Molecular Weight:	392.35
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	URAT1 inhibitor11 (Compound 7) is a potent URAT1 inhibitor, exhibiting an IC ₅₀ of 0.18 μM. It effectively reduces uric acid levels in zebrafish with hyperuricemia induced by Potassium oxonate and Xanthinesodium salt.
Targets(IC ₅₀)	OAT,Others
In vitro	URAT1 inhibitor 11, after 60 minutes, demonstrates greater stability in mouse liver microsomes compared to Benzbromarone, with respective residual rates of 83.2% and 4.5%.
In vivo	URAT1 inhibitor 11 (0.5 μM) effectively reduces uric acid levels in zebrafish with hyperuricemia induced by Potassium oxonate and Xanthine sodium salt, thereby exhibiting a urate-lowering effect.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5487 mL	12.7437 mL	25.4874 mL
5 mM	0.5097 mL	2.5487 mL	5.0975 mL
10 mM	0.2549 mL	1.2744 mL	2.5487 mL
50 mM	0.051 mL	0.2549 mL	0.5097 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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