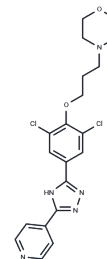


CC15009

Chemical Properties

CAS No. : 2482713-67-5
 Formula: C₂₀H₂₁Cl₂N₅O₂
 Molecular Weight: 434.32
 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	CC15009 is a potent inhibitor of xanthine oxidoreductase (XOR), demonstrating an IC ₅₀ value of 0.237 nM. It effectively inhibits the oxidative subtype of XOR, thereby reducing the generation of the byproduct ROS and exhibiting antioxidant activity. CC15009 has shown a favorable dose-dependent uric acid-lowering effect in two different XOR substrate-induced hyperuricemia mouse models.
Targets(IC ₅₀)	Reactive Oxygen Species, Xanthine Oxidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3024 mL	11.5122 mL	23.0245 mL
5 mM	0.4605 mL	2.3024 mL	4.6049 mL
10 mM	0.2302 mL	1.1512 mL	2.3024 mL
50 mM	0.046 mL	0.2302 mL	0.4605 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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