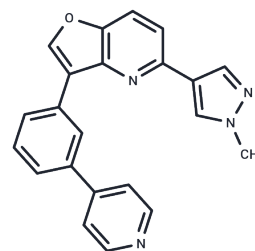


MU1210

Chemical Properties

CAS No. : 2275601-87-9
 Formula: C₂₂H₁₆N₄O
 Molecular Weight: 352.39
 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 | MU1210 (compound 12f) acts as an inhibitor of CDC-like kinases Clk1, Clk2, and Clk4 with IC ₅₀ values of 8, 20, and 12 nM, respectively, and exhibits IC ₅₀ values of 187 and 1309 nM for HIPK1 and DYRK2. Additionally, MU1210 demonstrates favorable pharmacokinetic properties in mice (10 mg/kg, intraperitoneal injection: C _{max} =1.24 μM, T _{1/2} =58 minutes; no acute toxicity observed). |
| Targets(IC ₅₀) | CDK,DYRK |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.8378 mL | 14.1888 mL | 28.3776 mL |
| 5 mM | 0.5676 mL | 2.8378 mL | 5.6755 mL |
| 10 mM | 0.2838 mL | 1.4189 mL | 2.8378 mL |
| 50 mM | 0.0568 mL | 0.2838 mL | 0.5676 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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