

ERK2/p38 α MAPK-IN-1

Chemical Properties

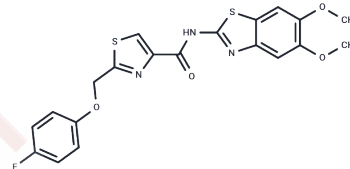
CAS No. : 1016427-72-7

Formula: C₂₀H₁₆FN₃O₄S₂

Molecular Weight: 445.49

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	ERK2/p38 α MAPK-IN-1 (Compound 1, In silico Hit-2), a selective inhibitor of ERK2 and p38 α MAPK, exhibits potent activity with an IC ₅₀ of 82 μ M against ERK2. It uniquely binds to the allosteric sites of both ERK2 and p38 α MAPK. This compound is utilized for type 2 diabetes research [1].
Targets(IC ₅₀)	ERK,p38 MAPK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2447 mL	11.2236 mL	22.4472 mL
5 mM	0.4489 mL	2.2447 mL	4.4894 mL
10 mM	0.2245 mL	1.1224 mL	2.2447 mL
50 mM	0.0449 mL	0.2245 mL	0.4489 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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