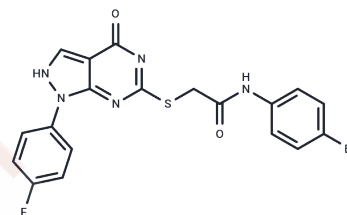


UCK2 Inhibitor-3

Chemical Properties

CAS No. : 2376687-49-7
 Formula: C₁₉H₁₃BrFN₅O₂S
 Molecular Weight: 474.31
 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	UCK2 Inhibitor-3 is a non-competitive inhibitor of uridine-cytidine kinase 2 (UCK2), a pivotal enzyme in the pyrimidine salvage pathway, with an IC ₅₀ value of 16.6 μM. UCK2 can partially substitute for dihydroorotate dehydrogenase (DHODH) in infected or rapidly dividing cells, aiding uridine salvage. Additionally, UCK2 Inhibitor-3 inhibits DNA polymerase eta and kappa, with IC ₅₀ values of 56 μM and 16 μM, respectively.
Targets(IC ₅₀)	Others,DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1083 mL	10.5416 mL	21.0833 mL
5 mM	0.4217 mL	2.1083 mL	4.2167 mL
10 mM	0.2108 mL	1.0542 mL	2.1083 mL
50 mM	0.0422 mL	0.2108 mL	0.4217 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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