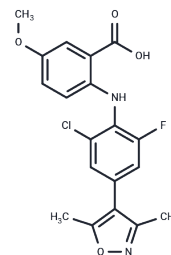


Dac590

Chemical Properties

CAS No. : 3084407-00-8
 Formula: C₁₉H₁₆ClFN₂O₄
 Molecular Weight: 390.79
 Storage: Store at low temperature
 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 Dac590 is an orally available FTO inhibitor exhibiting antiproliferative effects against AML cells, inducing apoptosis, G1 cell cycle arrest, and species growth. It is suitable for leukaemia research.

Solubility Information

Solubility DMSO: 10 mg/mL (25.59 mM), Sonication is recommended.
 (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5589 mL	12.7946 mL	25.5892 mL
5 mM	0.5118 mL	2.5589 mL	5.1178 mL
10 mM	0.2559 mL	1.2795 mL	2.5589 mL
50 mM	0.0512 mL	0.2559 mL	0.5118 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.

Reference

Yang T, et al. Development of Orally Bioavailable FTO Inhibitors with Potent Antileukemia Efficacy. J Med Chem. 2025 Jul 10;68(13):13714-13727.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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