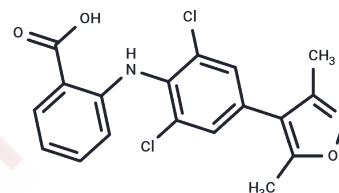


FB23

Chemical Properties

CAS No. : 2243736-35-6
 Formula: C₁₈H₁₄Cl₂N₂O₃
 Molecular Weight: 377.22
 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	FB23 directly binds to FTO and selectively inhibits FTO's m6A demethylase activity. (FTO, an mRNA N6-methyladenosine (m6A) demethylase, was reported to promote leukemogenesis.)
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 25 mg/mL (66.27 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.651 mL	13.2549 mL	26.5097 mL
5 mM	0.5302 mL	2.651 mL	5.3019 mL
10 mM	0.2651 mL	1.3255 mL	2.651 mL
50 mM	0.053 mL	0.2651 mL	0.5302 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

Small-molecule targeting of oncogenic FTO demethylase in acute myeloid leukemia[J]. Science Foundation in China, 2019.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481