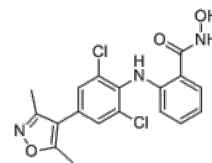


Product Name : FB23-2
Cat. No. : PC-36169
CAS No. : 2243736-45-8
Molecular Formula : C₁₈H₁₅Cl₂N₃O₃
Molecular Weight : 392.236
Target : Histone Demethylase
Solubility : DMSO: 60 mg/mL



Biological Activity

FB23-2 is a potent, selective inhibitor of the **mRNA N 6-methyladenosine (m 6A) demethylase FTO**, directly bind to FTO, inhibits FTO demethylation of m6 A in RNA in vitro with IC50 of 2.6 uM.

FB23-2 demonstrates significantly improved anti-proliferative activity on NB4 and MONOMAC6 cells with IC50 of 0.8-1.5 uM, compared with parental compound FB23.

FB23-2 dramatically suppresses proliferation and promotes the differentiation/apoptosis of human acute myeloid leukemia (AML) cell line cells and primary blast AML cells in vitro.

FB23-2 significantly inhibits the progression of human AML cell lines and primary cells in xeno-transplanted mice.

References

Huang Y, et al. *Cancer Cell*. 2019 Apr 15;35(4):677-691.e10.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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