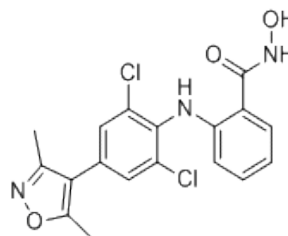


Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists

Product Name :FB23-2
Cat.No. :URK-V598
CAS No. :12243736-45-8
Molecular Formula :C₁₈H₁₅Cl₂N₃O₃
Molecular Weight :392.236
Target :Histone Demethylase
Solubility : 60mM in DMSO



Biological Activity

FB23-2 is a potent, selective inhibitor of the mRNA N⁶-methyladenosine (m⁶A) demethylase FTO, directly bind to FTO inhibits FTO demethylation of m⁶A in RNA in vitro with IC₅₀ of 2.6 μM; demonstrates significantly improved anti proliferative activity on NB4 and MONOMAC6 cells with IC₅₀ of 0.8-1.5 μM, compared with parental compound FB23; 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 primary cells in xeno-transplanted mice.

References

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

Note: All products of Ureiko are only used for scientific research or drug certificate declaration, and we do not provide products and services for any personal use!

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

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