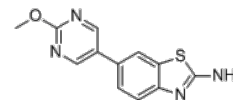


Product Name : FTO-04
Cat. No. : PC-72226
CAS No. : 2585198-87-2
Molecular Formula : C₁₂H₁₀N₄OS
Molecular Weight : 258.299
Target : Histone Demethylase
Solubility : 10 mM in DMSO (2.59 mg/mL)



Biological Activity

FTO-04 is a potent, selective, competitive small molecule inhibitor of **m6A-RNA demethylase FTO** with IC₅₀ of 3.39 μ M, 13-fold selectivity over RNA demethylase ALKBH5 (ALKBH5, IC₅₀=39.4 μ M).

FTO-04 prevented neurosphere formation in patient-derived glioblastoma stem cells (GSCs) without inhibiting the growth of healthy neural stem cell-derived neurospheres.

FTO-04 increased m6A and m6Am levels in GSCs consistent with FTO inhibition.

References

Sarah Huff, et al. *ACS Chem Biol.* 2021 Feb 19;16(2):324-333.

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

E-mail: tech@probechem.com