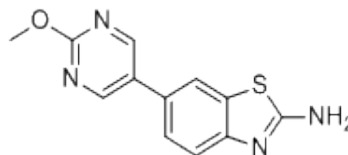


Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists

Product Name :FTO-04
Cat.No. :URK-V609
CAS No. :2585198-87-2
Molecular Formula :C₁₂H₁₀N₄OS
Molecular Weight :258.299
Target :Farnesoid X Receptor (FXR)
Solubility :



Biological Activity

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

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

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

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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