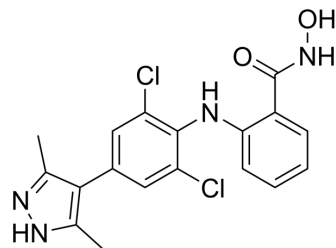


FTO-IN-1

Cat. No.:	HY-138843
CAS No.:	2243944-92-3
Molecular Formula:	C ₁₈ H ₁₆ Cl ₂ N ₄ O ₂
Molecular Weight:	391.25
Target:	Fat Mass and Obesity-associated Protein (FTO)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	FTO-IN-1 is a fat mass and obesity-associated enzyme (FTO) inhibitor extracted from patent WO2018157843A1, compound 32, with an IC ₅₀ of <1 μM. FTO-IN-1 can be used for the research of cancer ^[1] .
IC₅₀ & Target	IC ₅₀ : <1 μM (FTO) ^[1]
In Vitro	FTO-IN-1 (50 μM) inhibits FTO enzyme activity by 62% in vitro ^[1] . FTO-IN-1 (50 μM) inhibits the viability of SCLC-21H, RH30 and KP3 cells, with IC ₅₀ s of 2.1 μM, 5.3 μM, and 5.6 μM, respectively [1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Yang C, et al. 2-(substituted benzene matrix) aromatic formate fto inhibitor, preparation method therefor, and applications thereof. WO2018157843A1.

Caution: Product has not been fully validated for medical applications. For research use only.

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