

Product Data Sheet

Product Name: FTO-IN-1 TFA

Cat. No.: GC62240

Chemical Properties

Cas. No. 2797619-81-7

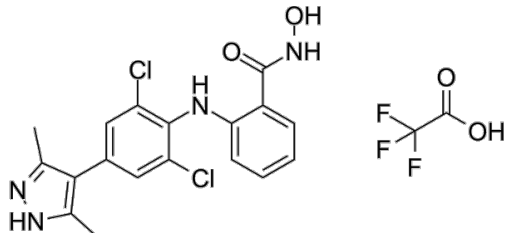
Formula $C_{20}H_{17}Cl_2F_3N_4O_4$ M.Wt 505.27

Solubility DMSO : 50 mg/mL (98.96 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

FTO-IN-1 TFA is a fat mass and obesity-associated enzyme (FTO) inhibitor extracted from patent WO2018157843A1, compound 32, with an IC₅₀ of <1 μM. FTO-IN-1 TFA can be used for the research of cancer[1].

FTO-IN-1 TFA (50 μM) inhibits FTO enzyme activity by 62% in vitro[1]. FTO-IN-1 TFA (50 μM) inhibits

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

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the viability of SCLC-21H, RH30 and KP3 cells, with IC50s of 2.1 μ M, 5.3 μ M, and 5.6 μ M, respectively[1].

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

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