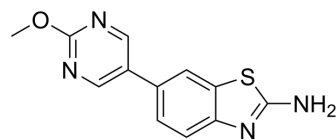


FTO-IN-3

Cat. No.:	HY-132865
CAS No.:	2585198-87-2
Molecular Formula:	C ₁₂ H ₁₀ N ₄ OS
Molecular Weight:	258.3
Target:	Fat Mass and Obesity-associated Protein (FTO)
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (96.79 mM); ultrasonic and warming and adjust pH to 2 with 1M HCl and heat to 80°C)					
		Solvent	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	Concentration				
		1 mM		3.8715 mL	19.3573 mL	38.7147 mL
		5 mM		0.7743 mL	3.8715 mL	7.7429 mL
10 mM			0.3871 mL	1.9357 mL	3.8715 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (9.68 mM); Clear solution; Need ultrasonic 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (9.68 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	FTO-IN-3 is a FTO inhibitor that impair self-renewal in glioblastoma stem cells.
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REFERENCES

[1]. Huff S, et al. m6A-RNA Demethylase FTO Inhibitors Impair Self-Renewal in Glioblastoma Stem Cells. ACS Chem Biol. 2021 Feb 19;16(2):324-333.

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

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