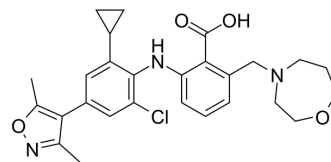


ZLD115

Cat. No.:	HY-149334
CAS No.:	2980653-93-6
Molecular Formula:	C ₂₇ H ₃₀ ClN ₃ O ₄
Molecular Weight:	496
Target:	Fat Mass and Obesity-associated Protein (FTO)
Pathway:	Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (201.61 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM		2.0161 mL	10.0806 mL	20.1613 mL
		5 mM		0.4032 mL	2.0161 mL	4.0323 mL
		10 mM		0.2016 mL	1.0081 mL	2.0161 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.04 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.04 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	ZLD115 (compound 44) is a FB23-derived inhibitor of Fat Mass and Obesity-associated Protein (FTO). ZLD115 is an antileukemic agent, exhibiting antiproliferative activity against leukemic cell lines ^[1] .
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REFERENCES

[1]. Xiao P, et al. Rational Design of RNA Demethylase FTO Inhibitors with Enhanced Antileukemia Drug-Like Properties. J Med Chem. 2023 Jul 7.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA