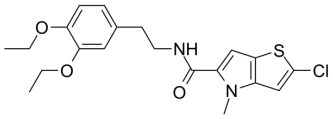
ML261

Cat. No.:	HY-111179
CAS No.:	902523-58-4
Molecular Formula:	$C_{20}H_{23}ClN_2O_3S$
Molecular Weight:	406.93
Target:	Others
Pathway:	Others

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 : 25 mg/mL (61.44 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.4574 mL	12.2871 mL	24.5743 mL
5 mM	0.4915 mL	2.4574 mL	4.9149 mL
10 mM	0.2457 mL	1.2287 mL	2.4574 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

ML261 is a hepatic lipid droplets formation inhibitor with an IC_{50} value of 69.7 nM. ML261 can be used for the research of non-alcoholic fatty liver disease (NAFLD) and inflammation[1].

IC_{50} & Target

IC50: 69.7 nM (hepatic lipid droplets formation)[1]

In Vitro

ML261 (1 nM-10 μM; 24 h) affects hepatic lipid droplets formation in murine AML-12 cells[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Viability Assay[1]

Cell Line:	AML-12 cells
Concentration:	1 nM-10 μM
Incubation Time:	24 hours

Result:	Inhibited hepatic lipid droplets formation with an IC_{50} value of 69.7 nM.

REFERENCES

[1]. Zou J, et al. Potent inhibitors of lipid droplet formation. 2014.

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