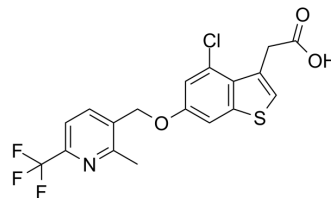


## GOAT-IN-1

<b>Cat. No.:</b>	HY-103479
<b>CAS No.:</b>	1452473-54-9
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>13</sub> ClF <sub>3</sub> NO <sub>3</sub> S
<b>Molecular Weight:</b>	415.81
<b>Target:</b>	Acyltransferase
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 150 mg/mL (360.74 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.4049 mL	12.0247 mL	24.0494 mL
	5 mM	0.4810 mL	2.4049 mL	4.8099 mL
	10 mM	0.2405 mL	1.2025 mL	2.4049 mL

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

### BIOLOGICAL ACTIVITY

#### Description

GOAT-IN-1 is an inhibitor of ghrelin O-acyltransferase (GOAT), which could be useful for the prophylaxis or treatment of obesity, diabetes, hyperlipidemia, metabolic, non-alcoholic fatty liver, steatohepatitis, sarcopenia, appetite control, alcohol/narcotic dependence, Alzheimer's disease, Parkinson's disease, cerebrovascular dementia, cerebral apoplexy, cerebral infarction, cardiac disease, some kind of tumors.

#### In Vitro

The inhibitory activity of GOAT-IN-1 (Example 16) for human GOAT is 101% with the concentration of 10 μM<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. WO 2013125732.

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

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