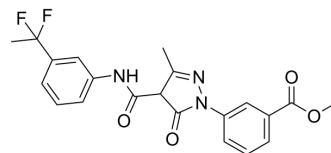


## ACSS2-IN-2

Cat. No.:	HY-148104		
CAS No.:	2332820-04-7		
Molecular Formula:	C <sub>21</sub> H <sub>19</sub> F <sub>2</sub> N <sub>3</sub> O <sub>4</sub>		
Molecular Weight:	415.39		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



## SOLVENT & SOLUBILITY

### In Vitro

DMSO : 100 mg/mL (240.74 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.4074 mL	12.0369 mL	24.0738 mL
5 mM	0.4815 mL	2.4074 mL	4.8148 mL
10 mM	0.2407 mL	1.2037 mL	2.4074 mL

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

## BIOLOGICAL ACTIVITY

### Description

ACSS2-IN-2 is an acyl-CoA synthetase short-chain family member 2 (ACSS2) inhibitor. ACSS2-IN-2 can inhibit ACSS2 activity with an IC<sub>50</sub> value of 3.8 nM. ACSS2-IN-2 can be used for the research of several diseases, such as viral infection, metabolic disorders, neuropsychiatric diseases, inflammatory/autoimmune conditions and cancer<sup>[1]</sup>.

### IC<sub>50</sub> & Target

IC<sub>50</sub>: 3.8 nM (ACSS2)<sup>[1]</sup>

### In Vitro

ACSS2-IN-2 (Compound 261) (5 h) has ACSS2 inhibitory activity with an IC<sub>50</sub> value of 3.8 nM in MDA-MB-468 cells<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

[1]. Philippe Nakache, et al. Acss2 inhibitors and methods of use thereof. Patent. WO2019097515A1.

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

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