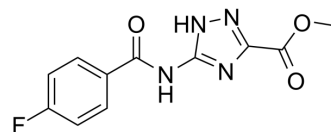


## Thrombin inhibitor 5

Cat. No.:	HY-148037		
CAS No.:	328108-09-4		
Molecular Formula:	C <sub>11</sub> H <sub>9</sub> FN <sub>4</sub> O <sub>3</sub>		
Molecular Weight:	264.21		
Target:	Proteasome		
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 : 31.25 mg/mL (118.28 mM; ultrasonic and warming and heat to 80°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.7849 mL	18.9243 mL	37.8487 mL
5 mM	0.7570 mL	3.7849 mL	7.5697 mL
10 mM	0.3785 mL	1.8924 mL	3.7849 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Thrombin inhibitor 5 (compound 385) is a thrombin inhibitor, with IC<sub>50</sub>s ranging from 0.1 μM to 1 μM. Thrombin inhibitor 5 can be used for research of venous thromboembolism<sup>[1]</sup>.

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

thrombin<sup>[1]</sup>

### REFERENCES

[1]. Short K M, et al. Multisubstituted aromatic compounds as inhibitors of thrombin and their preparation: US, US20170326125[p]. 2017-11-16.

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

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