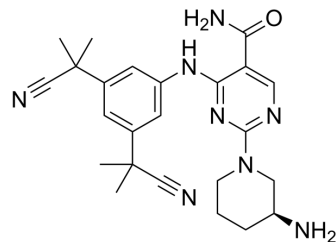


## CS587

Cat. No.:	HY-148913		
CAS No.:	2388506-69-0		
Molecular Formula:	C <sub>24</sub> H <sub>30</sub> N <sub>8</sub> O		
Molecular Weight:	446.55		
Target:	CaMK		
Pathway:	Neuronal Signaling		
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 (223.94 mM; Need ultrasonic and warming)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.2394 mL	11.1970 mL	22.3939 mL
5 mM	0.4479 mL	2.2394 mL	4.4788 mL
10 mM	0.2239 mL	1.1197 mL	2.2394 mL

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

### BIOLOGICAL ACTIVITY

#### Description

CS587 is a specific inhibitor of CaMK1D with neurocytotoxicity at 10 μM. CS587 modulates the sensitivity of neuronal cells to Aβ oligomer toxicity<sup>[1]</sup>.

### REFERENCES

[1]. Grant P, et al. Effects of Specific Inhibitors for CaMK1D on a Primary Neuron Model for Alzheimer's Disease. *Molecules*. 2021 Dec 18;26(24):7669.

**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