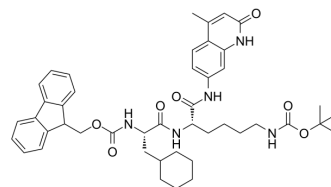


## CYM2503

Cat. No.:	HY-123671		
CAS No.:	1308833-36-4		
Molecular Formula:	C <sub>45</sub> H <sub>55</sub> N <sub>5</sub> O <sub>7</sub>		
Molecular Weight:	777.95		
Target:	Neuropeptide Y Receptor		
Pathway:	GPCR/G Protein; 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 (128.54 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.2854 mL	6.4271 mL	12.8543 mL
5 mM	0.2571 mL	1.2854 mL	2.5709 mL
10 mM	0.1285 mL	0.6427 mL	1.2854 mL

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

### BIOLOGICAL ACTIVITY

#### Description

CYM2503 is a putative GalR2-positive allosteric modulator. CYM2503 increases the latency to first electrographic seizure and decreases the total time in seizure. CYM2503 also attenuates electroshock-induced seizures in mice. Galanin receptors type 1 (GalR1) and/or type 2 (GalR2) represent unique pharmacological targets for the research of seizures and epilepsy<sup>[1]</sup>.

### REFERENCES

[1]. Lu X, et al. GalR2-positive allosteric modulator exhibits anticonvulsant effects in animal models. Proc Natl Acad Sci U S A. 2010;107(34):15229-15234.

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

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