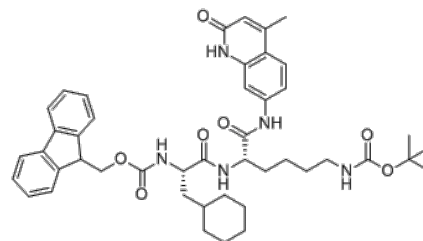


**Product Name** : CYM2503  
**Cat. No.** : PC-38482  
**CAS No.** : 1308833-36-4  
**Molecular Formula** : C<sub>45</sub>H<sub>55</sub>N<sub>5</sub>O<sub>7</sub>  
**Molecular Weight** : 777.96  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

CYM2503 is a putative galanin receptor type 2 (GalR2) positive allosteric modulator, concentration-dependently potentiates galanin (100 nM) stimulated IP1 accumulation in HEK293-GalR2 cells with EC<sub>50</sub> of 0.69 μM, efficacy of 9.7-fold potentiation. CYM2503 exhibited no affinity for GalR1 and did not modulate GalR1 signaling.

CYM2503 mediated potentiation of the agonist-stimulated GalR2 activation and the lack of affinity of CYM2503 for GalR2 orthosteric site in HEK293-GalR2 cells.

CYM2503 increased the latency to first electrographic seizure and the latency to first stage 3 behavioral seizure, decreased the latency to the establishment of SE, and dramatically decreased mortality in the rat Li-pilocarpine SE model.

CYM2503 increased the latency to first electrographic seizure and decreased the total time in seizure in Li-pilocarpine seizure model in mice, also attenuated electroshock-induced seizures in mice.

## References

Xiaoying Lu, et al. Proc Natl Acad Sci U S A. 2010 Aug 24;107(34):15229-34.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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