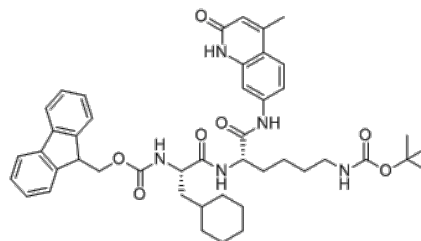


Product Name : CYM2503
Cat. No. : PC-38482
CAS No. : 1308833-36-4
Molecular Formula : C₄₅H₅₅N₅O₇
Molecular Weight : 777.96
Target : Other Targets
Solubility : 10 mM in DMSO



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 EC₅₀ 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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