

## Product Data Sheet

Product Name: CYM 2503

Cat. No.: GC49767

### Chemical Properties

Cas. No. 1308833-36-4

SMILES CC(C1=CC=C(C=C1N2)NC([C@H](CCCCNC(OC(C)(C)C)=O)NC([C@H](CC3CCCCC3)NC(OCC4C5=CC=CC=C5C6=CC=CC=C64)=O)=O)=O)=CC2=O

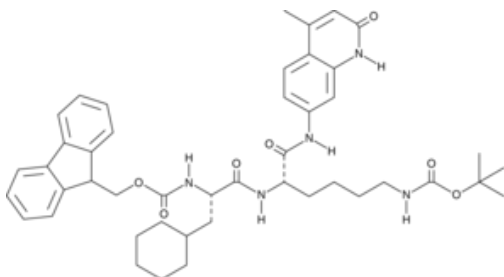
Formula C<sub>45</sub>H<sub>55</sub>N<sub>5</sub>O<sub>7</sub> M.Wt 778

Solubility DMSO : 100 mg/mL (128.54 mM; Storage -20°C  
Need ultrasonic)

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or Condition blue ice upon request.

Structure



### Background

CYM 2503 is a positive allosteric modulator (PAM) of the galanin-2 (GAL<sub>2</sub>) receptor.<sup>1</sup> It enhances the production of inositol monophosphate (IP<sub>1</sub>) induced by galanin in HEK293 cells expressing the GAL<sub>2</sub> receptor (EC<sub>50</sub> = 0.69 μM). CYM 2503 (60 mg/kg) increases the latency to first electrographic and behavioral seizures and reduces mortality in a lithium-pilocarpine (Li-pilocarpine) rat model of status epilepticus.

1. Lu, X., Roberts, E., Xia, F., et al. GalR2-positive allosteric modulator exhibits anticonvulsant effects in animal models Proc. Natl. Acad. Sci. USA 107(34)15229-15234(2010)

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

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