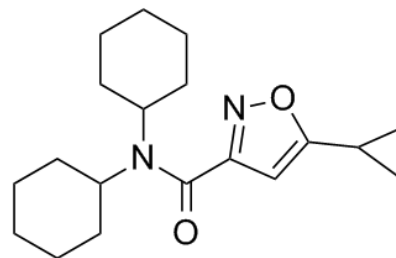


**Product Name** : CYM-5541  
**Cat. No.** : PC-42379  
**CAS No.** : 945128-26-7  
**Molecular Formula** : C<sub>19</sub>H<sub>28</sub>N<sub>2</sub>O<sub>2</sub>  
**Molecular Weight** : 316.43782  
**Target** : Lysophospholipid Receptor  
**Solubility** : DMSO: ≥ 39 mg/mL



### Biological Activity

CYM-5541 (ML249) is a potent, selective, allosteric and full agonist of **S1P3** receptor with EC<sub>50</sub> of 72-132 nM. CYM-5541 exhibits exquisite selectivity over other S1P receptor subtypes in vitro (EC<sub>50</sub>>10 μM), also shows no significant activities against panel of 55 GPCRs, ion channels, and transporters.

### References

Jo E, et al. ACS Chem Biol. 2012 Dec 21;7(12):1975-83.  
St-Cyr Giguère F, et al. Brain Res. 2017 Mar 1;1658:51-59.

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

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