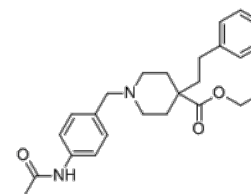


**Product Name** : CYM51010  
**Cat. No.** : PC-62146  
**CAS No.** : 1069498-96-9  
**Molecular Formula** : C<sub>25</sub>H<sub>32</sub>N<sub>2</sub>O<sub>3</sub>  
**Molecular Weight** : 408.542  
**Target** : Opioid Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

CYM51010 (ML335) is an agonist probe for opioid receptor mu 1 (**OPRM1**)-opioid receptor delta 1 (**OPRD1**) heterodimerization with EC<sub>50</sub> of 403 nM.

ML335 displays 37, 2.7, and >99-fold selectivity over OPRM1, OPRD1, and HTR5A, respectively.

## References

Pinello C, et al. Probe Reports from the NIH Molecular Libraries Program [Internet].

Lolicato M, et al. *Nature*. 2017 Jul 10. doi: 10.1038/nature22988.

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

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