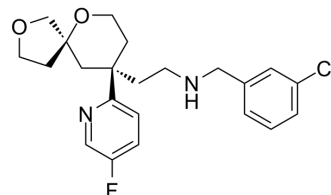


## MOR agonist-1

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-153471   |
| CAS No.:           | 2305781-14-8  |
| Molecular Formula: | C <sub>22</sub> H <sub>26</sub> ClFN <sub>2</sub> O <sub>2</sub>                          |
| Molecular Weight:  | 404.91  |
| Target:            | Opioid Receptor   |
| Pathway:           | GPCR/G Protein; Neuronal Signaling  |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                    |  |
|--------------------|--|
| <b>Description</b> | MOR agonist-1 is a MOR ( $\mu$ -opioid receptor) agonist. MOR agonist-1 has good analgesic effect. MOR agonist-1 can be used for the research of pain and pain-related disorders <sup>[1]</sup> .  |
| <b>In Vitro</b>    | MOR agonist-1 has cAMP agonist activity for human $\mu$ -subtype opioid receptors (hMOR) with an EC <sub>50</sub> value of 0.5 nM <sup>[1]</sup> . MOR agonist-1 has inhibitory activity for CYP2C19, CYP2D6 and CYP3A4 with IC <sub>50</sub> values of 33.7 $\mu$ M, 12.7 $\mu$ M and 40.6 $\mu$ M, respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |
| <b>In Vivo</b>     | MOR agonist-1 has good pharmacokinetic properties in rats <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.   |

### REFERENCES

[1]. [DOI: 10.26434/chemrxiv-2020-04-15-115093428A](#)

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

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