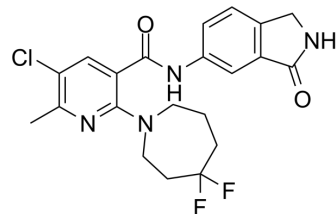


## Analgesic agent-2

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-149944   |
| CAS No.:           | 2983892-65-3  |
| Molecular Formula: | C <sub>21</sub> H <sub>21</sub> ClF <sub>2</sub> N <sub>4</sub> O <sub>2</sub>            |
| Molecular Weight:  | 434.87  |
| Target:            | Sodium Channel  |
| Pathway:           | Membrane Transporter/Ion Channel  |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                           |   |
|---------------------------|---|
| Description               | Analgesic agent-2 is a selective and orally active NaV1.8 Channel inhibitor, with an IC <sub>50</sub> of 50.18 nM in HEK293 cells stably expressing human NaV1.8 channel. Analgesic agent-2 has analgesic activity <sup>[1]</sup> . |
| IC <sub>50</sub> & Target | NaV1.8 <sup>[1]</sup>   |

### REFERENCES

[1]. Qin H, et al. Discovery of selective NaV1.8 inhibitors based on 5-chloro-2-(4,4-difluoroazepan-1-yl)-6-methyl nicotinamide scaffold for the treatment of pain. Eur J Med Chem. 2023 Jun 5;254:115371.

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

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