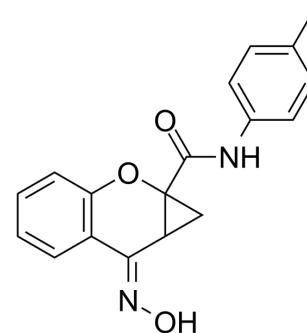


## PHCCC(4Me)

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-114863   |
| CAS No.:           | 1259532-01-8  |
| Molecular Formula: | C <sub>18</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub>                             |
| Molecular Weight:  | 308.33  |
| Target:            | mGluR   |
| 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> | PHCCC(4Me) (THCCC), a PHCCC analog, is a dual mGluR2 (IC <sub>50</sub> of 1.5 μM) negative allosteric modulator and mGluR3 (EC <sub>50</sub> of 8.9 μM) positive allosteric modulator <sup>[1]</sup> .                      |
| <b>In Vitro</b>    | PHCCC(4Me) (THCCC; Compound 3) shows micromolar affinity for mGluR2, with a K <sub>i</sub> value of 0.6 μM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

## REFERENCES

[1]. Stephan Schann, et al. Chemical switch of a metabotropic glutamate receptor 2 silent allosteric modulator into dual metabotropic glutamate receptor 2/3 negative/positive allosteric modulators. J Med Chem. 2010 Dec 23;53(24):8775-9.

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

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