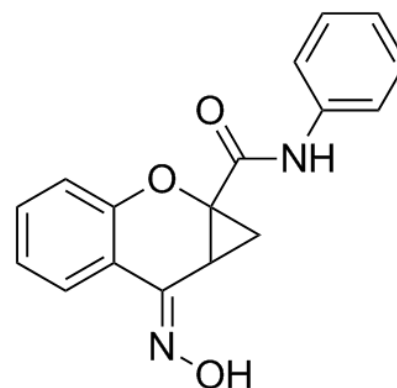


Product Name : PHCCC
Cat. No. : PC-42140
CAS No. : 179068-02-1
Molecular Formula : C₁₇H₁₄N₂O₃
Molecular Weight : 294.3047
Target : mGluR
Solubility : DMSO: ≥ 32 mg/mL



Biological Activity

A potent, selective allosteric potentiator of mGluR4 with EC₅₀ of 4.1 μM, also is a selective antagonist of group mGlu1 receptors; potentiates the response to glutamate (2 μM) 5.6-fold compared with glutamate alone in FLIPR assay; shows significant, dose-dependent anticonflict effects without affecting the threshold current or water intake in rats; also reduces proliferation and promotes differentiation of cerebellar granule cell neuroprecursors in rats.

References

- Stachowicz K, et al. Eur J Pharmacol. 2004 Sep 13;498(1-3):153-6.
Canudas AM, et al. J Neurosci. 2004 Nov 17;24(46):10343-52.
Marino MJ, et al. Proc Natl Acad Sci U S A. 2003 Nov 11;100(23):13668-73.

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

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