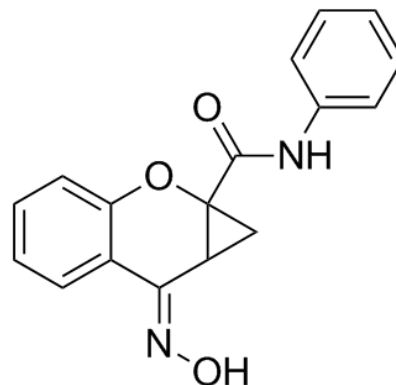


Product Name : PHCCC
Cat. No. : PC-42140
CAS No. : 179068-02-1
Molecular Formula : C₁₇H₁₄N₂O₃
Molecular Weight : 294.3047
Target : mGluR
Solubility : DMSO: ≥ 32 mg/mL



Biological Activity

PHCCC is a potent, selective allosteric potentiator of **mGluR4** with EC₅₀ of 4.1 μM, also is a selective antagonist of group mGlu1 receptors.

PHCCC potentiates the response to glutamate (2 μM) 5.6-fold compared with glutamate alone in FLIPR assay.

PHCCC shows significant, dose-dependent anticonflict effects without affecting the threshold current or water intake in rats.

PHCCC 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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