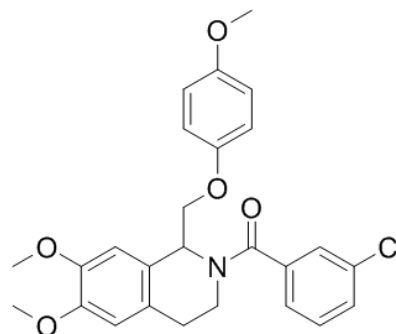


Product Name : CIQ
Cat. No. : PC-45533
CAS No. : 486427-17-2
Molecular Formula : C₂₆H₂₆ClNO₅
Molecular Weight : 467.9413
Target : iGluR
Solubility : 10 mM in DMSO



Biological Activity

CIQ is a subunit-selective potentiator of **NR2C**- and **NR2D**-containing NMDA receptors.

CIQ enhances receptor responses two-fold with an EC₅₀ of 3 μ M by increasing channel opening frequency without altering mean open time or EC₅₀ values for glutamate or glycine.

CIQ reverses MK-801-induced impairment in prepulse inhibition and working memory in Y-maze test in mice.

References

Mullasseril P, et al. *Nat Commun*. 2010 Oct 5;1:90.

Suryavanshi PS, et al. *Br J Pharmacol*. 2014 Feb;171(3):799-809.

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

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