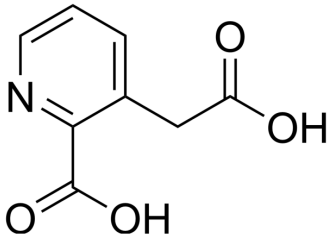
Homoquinolinic acid

Cat. No.:	HY-100802
CAS No.:	490-75-5
Molecular Formula:	$C_8H_7NO_4$
Molecular Weight:	181.15
Target:	iGluR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Homoquinolinic acid is a non endogenous agonist of NMDAR2 receptor[1][2].
In Vitro	Homoquinolinic acid (HQA, 20 μM) results in a robust increase in frequency of events recorded in layer V[2]. Homoquinolinic acid (HQA) acts at the presynaptic terminal to enhance glutamate release[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. L P de Carvalho, et al. The endogenous agonist quinolinic acid and the non endogenous homoquinolinic acid discriminate between NMDAR2 receptor subunits. Neurochem Int. 1996 Apr;28(4):445-52.

[2]. G Woodhall, et al. NR2B-containing NMDA autoreceptors at synapses on entorhinal cortical neurons. J Neurophysiol. 2001 Oct;86(4):1644-51.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA