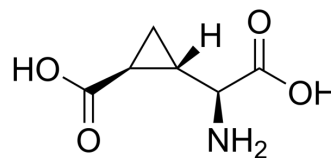


L-CCG-I

Cat. No.:	HY-100838A
CAS No.:	117857-93-9
Molecular Formula:	C ₆ H ₉ NO ₄
Molecular Weight:	159.14
Target:	mGluR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	L-CCG-I is an extended isomer of conformationally restricted glutamate analog. L-CCG-I also is a potent agonist for mGluR2 with an EC ₅₀ value of 0.3 nM. L-CCG-I can be used for the research of mGluR family ^[1] .
IC₅₀ & Target	mGluR2 0.3 nM (EC50)
In Vitro	L-CCG-I has activity for mGluR2 with an EC ₅₀ value of 0.3 nM ^[1] . LCCG-I effectively stimulated phosphatidylinositol hydrolysis in mGluR1-expressing cells ^[1] . L-CCG-I can inhibit the forskolin-stimulated adenosine 3':5'-cyclic monophosphate (cyclic AMP) accumulation in mGluR2-expressing cells ^[1] . L-CCG-I evoked an inhibition of the forskolin-stimulated cyclic AMP production characteristic of mGluR4 ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Y Hayashi, et al. Agonist analysis of 2-(carboxycyclopropyl)glycine isomers for cloned metabotropic glutamate receptor subtypes expressed in Chinese hamster ovary cells. *Br J Pharmacol.* 1992 Oct;107(2):539-43.

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

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