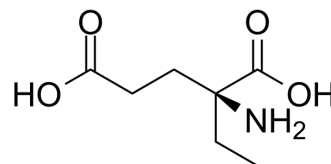


EGLU

Cat. No.:	HY-101332
CAS No.:	170984-72-2
Molecular Formula:	C ₇ H ₁₃ NO ₄
Molecular Weight:	175.18
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	EGLU ((2S)- α -Ethylglutamic acid; (2S)- α -EGLU) is a potent and competitive mGluR-2 receptor antagonist. EGLU interacts with (1S,3S)-ACPD-sensitive site with a K_d value of 66 μ M. EGLU is an antidepressant agent ^[1] .
IC₅₀ & Target	mGluR2 66 μ M (Kd)
In Vitro	EGLU (200 μ M) selectively antagonizes (1S,3S)-ACPD-induced depressions of the monosynaptic component of the DRVRP, displaying little or no antagonist activity versus L-AP6 induced depressions or on the DRVRP alone ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Jane DE, et al. Potent antagonists at the L-AP4- and (1S,3S)-ACPD-sensitive presynaptic metabotropic glutamate receptors in the neonatal rat spinal cord. *Neuropharmacology*. 1996;35(8):1029-35.

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

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