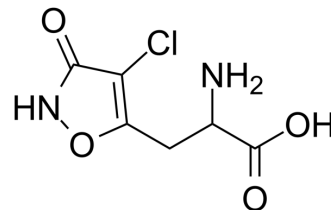


Cl-HIBO

Cat. No.:	HY-103229
CAS No.:	909400-43-7
Molecular Formula:	C ₆ H ₇ ClN ₂ O ₄
Molecular Weight:	206.58
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	Cl-HIBO is a highly subtype-selective GluR1/2 agonist (EC ₅₀ =4.7 and 1.7 μM, respectively). Cl-HIBO is a potent AMPA receptor agonist (IC ₅₀ =0.22 μM). Cl-HIBO has desensitizing properties ^[1] .
IC₅₀ & Target	EC ₅₀ : 4.7, 1.7, 2700 and 1300 μM=GluR1/2/3/4 ^[1]
In Vitro	Cl-HIBO is a strongly desensitizing full agonist at GluR1 ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Bjerrum EJ, et al. Design, synthesis, and pharmacology of a highly subtype-selective GluR1/2 agonist, (RS)-2-amino-3-(4-chloro-3-hydroxy-5-isoxazolyl)propionic acid (Cl-HIBO). J Med Chem. 2003;46(11):2246-2249.

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

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