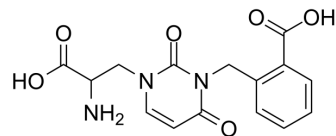


UBP296

Cat. No.:	HY-107605
CAS No.:	745055-86-1
Molecular Formula:	C ₁₅ H ₁₅ N ₃ O ₆
Molecular Weight:	333.3
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	UBP296 is a potent and selective antagonist of GLU _{K5} -containing kainate receptor in the spinal cord. UBP296 reversibly blocks ATPA-induced depressions of synaptic transmission, and affects AMPA receptor-mediated synaptic transmission directly in rat hippocampal slices ^[1] .
IC₅₀ & Target	IC ₅₀ : 3.5 ± 1.5 μM (GLUK5), 4.0 ± 0.7 μM (GLUK5/GLUK6), 7.0 ± 5.1 μM (GLUK5/GLUK2) ^[1]

REFERENCES

[1]. More JC, et al. Characterisation of UBP296: a novel, potent and selective kainate receptor antagonist. *Neuropharmacology*. 2004 Jul;47(1):46-64.

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

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