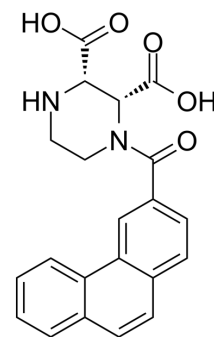


UBP141

Cat. No.:	HY-118574
CAS No.:	344768-30-5
Molecular Formula:	C ₂₁ H ₁₈ N ₂ O ₅
Molecular Weight:	378.38
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

UBP141 is a GluN2C/2D (NR2C/2D)-preferring receptor antagonist, with K_ds of 2.8, 4.2, 14.2, and 19.3 μM for NMDA receptor subtypes: GluN2C, 2D, 2A, and 2B, respectively. UBP141 can induce potent motor impairment in WT mice^{[1][2]}.

REFERENCES

[1]. Morley RM, et, al. Synthesis and pharmacology of N1-substituted piperazine-2,3-dicarboxylic acid derivatives acting as NMDA receptor antagonists. J Med Chem. 2005 Apr 7;48(7):2627-37.

[2]. Yamamoto H, et, al. Involvement of the N-methyl-D-aspartate receptor GluN2D subunit in phencyclidine-induced motor impairment, gene expression, and increased Fos immunoreactivity. Mol Brain. 2013 Dec 16;6:56.

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

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