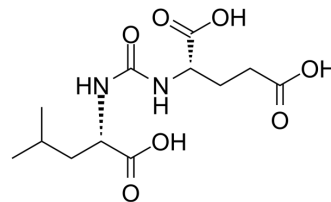


ZJ43

Cat. No.:	HY-103344
CAS No.:	723331-20-2
Molecular Formula:	C ₁₂ H ₂₀ N ₂ O ₇
Molecular Weight:	304.3
Target:	Aminopeptidase; mGluR
Pathway:	Metabolic Enzyme/Protease; GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	ZJ43 is a potent NAAG peptidase inhibitor, with an IC ₅₀ of 2.4 nM and a K _i of 0.8 nM. ZJ43 sufficiently activates group II mGluR and reduces some of the behavioral effects of PCP. ZJ43 shows an analgesic effect in neuropathic and inflammatory and pain models ^[1] .
IC ₅₀ & Target	IC ₅₀ : 2.4 nM (NAAG) ^[1]

REFERENCES

[1]. Olszewski RT, et al. NAAG peptidase inhibition reduces locomotor activity and some stereotypes in the PCP model of schizophrenia via group II mGluR. *J Neurochem*. 2004 May;89(4):876-85.

[2]. Yamamoto T, et al. Antinociceptive effects of N-acetylaspartylglutamate (NAAG) peptidase inhibitors ZJ-11, ZJ-17 and ZJ-43 in the rat formalin test and in the rat neuropathic pain model. *Eur J Neurosci*. 2004 Jul;20(2):483-94.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA