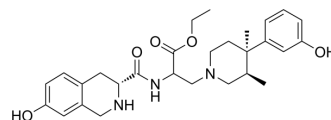


BU09059

Cat. No.:	HY-119733
CAS No.:	1541206-05-6
Molecular Formula:	C ₂₈ H ₃₇ N ₃ O ₅
Molecular Weight:	495.61
Target:	Opioid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

BU09059 is a potent and selective Kappa-opioid receptor antagonist with a pA₂ of 8.62. BU09059 has nanomolar affinity for the κ-receptor, with 15-fold and 616-fold selectivity over μ- and δ-receptors, respectively. BU09059 significantly blocks U50488 (HY-15997B)-induced antinociception^[1].

REFERENCES

[1]. Joseph J Casal-Dominguez, et al. Characterization of BU09059: a novel potent selective κ-receptor antagonist. ACS Chem Neurosci. 2014 Mar 19;5(3):177-84.

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

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