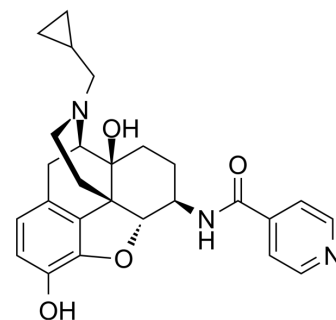


Mu opioid receptor antagonist 5

Cat. No.:	HY-144610
CAS No.:	1124167-61-8
Molecular Formula:	C ₂₆ H ₂₉ N ₃ O ₄
Molecular Weight:	447.53
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	Mu opioid receptor antagonist 5 (compound NAP) is a selective and blood-brain barrier (BBB) penetrant μ opioid receptor (MOR) antagonist with an EC ₅₀ value of 1.14 nM and a K _i value of 0.37 nM. Mu opioid receptor antagonist 5 can be used for researching opioid use disorders (OUD) ^[1] .
IC₅₀ & Target	μ Opioid Receptor/MOR

REFERENCES

[1]. Pagare PP, et al. Design, Synthesis, and Biological Evaluation of NAP Isosteres: A Switch from Peripheral to Central Nervous System Acting Mu-Opioid Receptor Antagonists. J Med Chem. 2022;65(6):5095-5112.

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

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