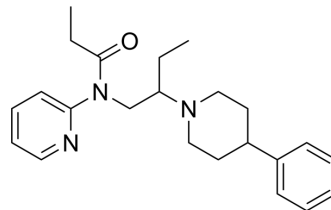


σ1 Receptor/μ Opioid receptor modulator 2

Cat. No.:	HY-163065
Molecular Formula:	C ₂₃ H ₃₁ N ₃ O
Molecular Weight:	365.51
Target:	Opioid Receptor; Sigma Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

σ1 Receptor/μ Opioid receptor modulator 2 (compound 4x) is a dual μOR agonist/σ1R antagonist, and displays picomolar μ OR agonism activity (EC₅₀: 0.6 ± 0.2 nM) and good σ1R inhibitory activity (K_i: 363.7 ± 5.6 nM). σ1 Receptor/μ Opioid receptor modulator 2 exhibits robust analgesic effects in various pain models^[1].

REFERENCES

[1]. Miao Z, et al. A Novel Bifunctional μOR Agonist and σ1R Antagonist with Potent Analgesic Responses and Reduced Adverse Effects. *J Med Chem.* 2023;66(23):16257-16275.

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

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