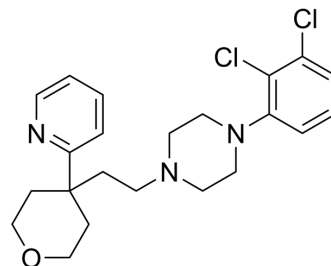


D3R/MOR antagonist 1

Cat. No.:	HY-149386
Molecular Formula:	C ₂₂ H ₂₇ Cl ₂ N ₃ O
Molecular Weight:	420.38
Target:	Dopamine Receptor; 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	D3R/MOR antagonist 1 (Compound 114) is a D3R/MOR antagonist (K _i : 46.5 nM and 691 nM respectively). D3R/MOR antagonist 1 has the potential to produce analgesic effects through MOR partial agonism, reduce opioid-misuse liability via D3R antagonism ^[1] .
IC ₅₀ & Target	46.5 nM and 691 nM (D3R/MOR) ^[1]

REFERENCES

[1]. Bonifazi A, et al. Pharmacological and Physicochemical Properties Optimization for Dual-Target Dopamine D3 (D3R) and μ -Opioid (MOR) Receptor Ligands as Potentially Safer Analgesics. J Med Chem. 2023 Aug 10;66(15):10304-10341.

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

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