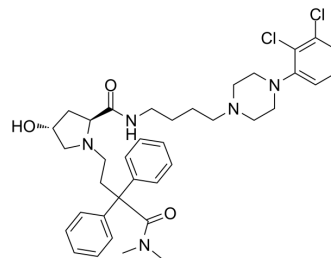


MOR agonist-2

Cat. No.:	HY-155706
CAS No.:	2833692-02-5
Molecular Formula:	C ₃₇ H ₄₇ Cl ₂ N ₅ O ₃
Molecular Weight:	680.71
Target:	Opioid Receptor; Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	MOR agonist-2 (compound 46) is an antagonist of D3R and agonist of MOR (K _i : 7.26 nM and 564 nM, respectively). MOR agonist-2 has the potential to produce analgesic effects through MOR partial agonism. MOR agonist-2 reduces opioid-misuse liability via D3R antagonism ^[1] .	
IC₅₀ & Target	D ₃ Receptor	μ Opioid Receptor/MOR

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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