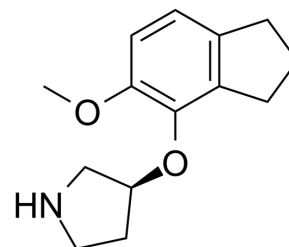


Org37684

Cat. No.:	HY-103120
CAS No.:	213007-95-5
Molecular Formula:	C ₁₄ H ₂₀ ClNO ₂
Molecular Weight:	269.77
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



H-Cl

BIOLOGICAL ACTIVITY

Description	Org37684 is a highly potent 5-HT _{2C} receptor agonist (pEC ₅₀ =8.17). Org37684 exhibits a rank order of potency of 5-HT _{2C} >5-HT _{2B} >5-HT _{2A} . Its selectivity for the 5-HT _{2C} receptor is approximately 2.5 times over the 5-HT _{2B} (pEC ₅₀ =7.96) and ten times for the 5-HT _{2A} (pEC ₅₀ =7.11) receptor ^[1] .
In Vitro	Org37684 is an agonist at recombinant human 5-HT _{2A} , 5-HT _{2B} and 5-HT _{2C} receptors in CHO-K1 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Porter RH, et al. Functional characterization of agonists at recombinant human 5-HT_{2A}, 5-HT_{2B} and 5-HT_{2C} receptors in CHO-K1 cells. Br J Pharmacol. 1999;128(1):13-20.

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

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