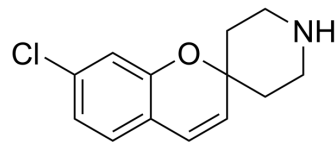


5-HT_{2C}R agonist 1

Cat. No.:	HY-157425
CAS No.:	1216074-15-5
Molecular Formula:	C ₁₃ H ₁₄ ClNO
Molecular Weight:	235.71
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	5-HT _{2C} R agonist 1 (compound 8), a 7-chloro analogue, is a selective 5-HT _{2C} R partial agonist ($E_{max}=71.09\%$) with an EC_{50} value of 121.5 nM and no observed activity toward 5-HT _{2A} R or 5-HT _{2B} R. 5-HT _{2C} R agonist 1 exhibits no recruitment activity for β -arrestin and shows low inhibition of hERG at 10 μ M ^[1] .
IC ₅₀ & Target	5-HT _{2C} Receptor 121.5 nM (EC ₅₀)

REFERENCES

[1]. Guangqian Jiang, et al Identification of Spiro[chromene-2,4'-piperidine]s as Potent, Selective, and Gq-Biased 5-HT_{2C} Receptor Partial Agonists. ACS Med. Chem. Lett. December 18, 2023.

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

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