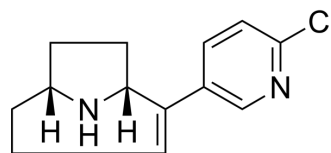


UB-165

Cat. No.:	HY-107688
CAS No.:	200432-86-6
Molecular Formula:	C ₁₃ H ₁₅ ClN ₂
Molecular Weight:	234.72
Target:	nAChR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	UB-165 is a nAChR agonist, being a full agonist of the $\alpha 3\beta 2$ isoform and a partial agonist of the $\alpha 4\beta 2^*$ isoform, with a K_i value of 0.27 nM for [³ H]-nicotine binding in rat brain ^[1] .
In Vitro	UB-165 stimulates [³ H]-dopamine release from striatal synaptosomes with an EC ₅₀ value of 88 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Sharples CG, et al. UB-165: a novel nicotinic agonist with subtype selectivity implicates the $\alpha 4\beta 2^*$ subtype in the modulation of dopamine release from rat striatal synaptosomes. J Neurosci. 2000 Apr 15;20(8):2783-91.

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

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