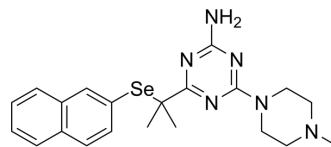


5-HT6R antagonist 3

Cat. No.:	HY-163150
Molecular Formula:	C ₂₁ H ₂₆ N ₆ Se
Molecular Weight:	441.43
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-HT6R antagonist 3 (compound 15) is a potent, selective and brain-penetrant 5-HT6R antagonist with K _i values of 14 nM, 3533 nM, 35 nM, 1449 nM for 5-HT ₆ , 5-HT _{1A} , 5-HT _{2A} , 5-HT ₇ , respectively. 5-HT6R antagonist 3 shows anxiolytic-like and properties neuroprotective and procognitive-like effects. 5-HT6R antagonist 3 has the potential for the research of Alzheimer's Disease ^[1] .			
IC₅₀ & Target	5-HT ₆ Receptor 14 nM (K _i)	5-HT _{1A} Receptor 3533 nM (K _i)	5-HT _{2A} Receptor 35 nM (K _i)	5-HT ₇ Receptor 1449 nM (K _i)

REFERENCES

[1]. Pyka P, et al. First-in-Class Selenium-Containing Potent Serotonin Receptor 5-HT₆ Agents with a Beneficial Neuroprotective Profile against Alzheimer's Disease. J Med Chem. 2024 Jan 8.

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

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