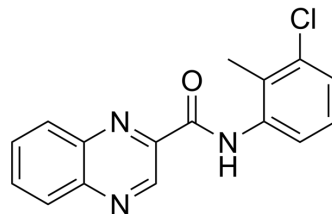


5-HT₃ antagonist 4

Cat. No.:	HY-131954
CAS No.:	930478-88-9
Molecular Formula:	C ₁₆ H ₁₂ ClN ₃ O
Molecular Weight:	297.74
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 ₃ antagonist 4 is a 5-HT ₃ receptor (5HT ₃ R) antagonist. 5-HT ₃ antagonist 4 prevents diabetes-induced depressive phenotypes in mice ^[1] .
In Vivo	5-HT ₃ antagonist 4 (4i) (0.5 and 1mg/kg/day, i.p.; for 4-weeks) ameliorates diabetes-induced depressive-like behavior and serotonin deficits in diabetes mice ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Deepali Gupta, et al. A novel 5HT₃ antagonist 4i (N-(3-chloro-2-methylphenyl)quinoxalin-2-carboxamide) prevents diabetes-induced depressive phenotypes in mice: Modulation of serotonergic system. Behav Brain Res. 2016 Jan 15;297:41-50.

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

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