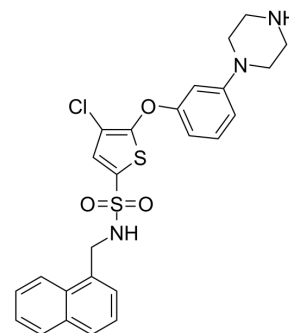


B-355252

Cat. No.:	HY-120553
CAS No.:	1261576-81-1
Molecular Formula:	C ₂₅ H ₂₄ ClN ₃ O ₃ S ₂
Molecular Weight:	514.06
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	B355252, a phenoxy thiophene sulfonamide small molecule, is a potent NGF receptor agonist. B355252 potentiates NGF-induced neurite outgrowth. B355252 protects ischemic neurons from neuronal loss by attenuating DNA damage, reducing ROS production and the LDH level, and preventing neuronal apoptosis. B355252 has anti-apoptotic effects in glutamate-induced excitotoxicity, as well as in a murine hippocampal cell line (HT22) model of Parkinson disease (PD) ^[1] .
In Vivo	B-355252 (0.125 mg/kg; ip; daily; 3 days) significantly attenuates the infarct volume and protects post-stroke neuronal loss in adult male Sprague–Dawley rats with cerebral ischemia ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Hao-Kuang Wang, et al. A Novel NGF Receptor Agonist B355252 Ameliorates Neuronal Loss and Inflammatory Responses in a Rat Model of Cerebral Ischemia. *J Inflamm Res.* 2021 Jun 1;14:2363-2376.

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

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