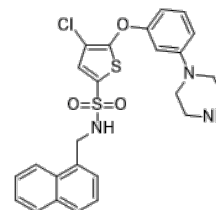


Product Name : B355252
Cat. No. : PC-25749
CAS No. : 1261576-81-1
Molecular Formula : C₂₅H₂₄ClN₃O₃S₂
Molecular Weight : 514.06
Target : Trk Receptor
Solubility : 10 mM in DMSO



Biological Activity

B355252 (B-355252) is a small molecule NGF receptor agonist, potentiates NGF-induced neurite outgrowth.

B355252 suppresses glutamate-evoked oxidative stress in HT-22 neurons by blocking Ca²⁺ and ROS production, and altering the expression or phosphorylation states of Erk kinases.

B355252 is capable of potentiating nerve growth factor (NGF)-primed neurite outgrowth in neuronal cell models in a low NGF environment.

B355252 could protect ischemic neurons from neuronal loss by attenuating DNA damage, reducing ROS production and the LDH level, and preventing neuronal apoptosis.

References

Gliyazova NS, et al. Cell Mol Neurobiol. 2016 Oct;36(7):1109-22.

Gliyazova NS, et al. BMC Neurosci. 2013 Sep 2;14:93.

Wang HK, et al. J Inflamm Res. 2021 Jun 1;14:2363-2376.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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