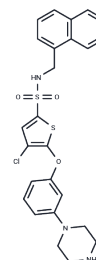


B355252

Chemical Properties

CAS No. : 1261576-81-1
Formula: C₂₅H₂₄ClN₃O₃S₂
Molecular Weight: 514.06
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	B355252 protects against cell death caused by glutamate-evoked oxidative stress. B355252 shows neuroprotective effect, potentiating nerve growth factor (NGF)-induced neurite outgrowth.
Targets(IC50)	Others
In vitro	Method: HT22 cells were pretreated for 2 hours with various concentrations of B355252 (0.625-20 μ M). This was followed by the addition of 300 μ M CoCl ₂ and incubation at 37°C for 24 hours. At the end of this time, cell viability was determined by resazurin assay as described below. Result: From 0.625 to 5 μ M, B355252 increased cell viability in a dose-dependent manner, protecting against CoCl ₂ -induced hypoxia. Above 5 μ M, B355252 became toxic to the cells and, synergistically with CoCl ₂ , decreased cell viability.

Solubility Information

Solubility	DMSO: 25 mg/mL (48.63 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9453 mL	9.7265 mL	19.453 mL
5 mM	0.3891 mL	1.9453 mL	3.8906 mL
10 mM	0.1945 mL	0.9726 mL	1.9453 mL
50 mM	0.0389 mL	0.1945 mL	0.3891 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Chimeh U , Zimmerman M A , Gilyazova N , et al. B355252, A Novel Small Molecule, Confers Neuroprotection Against Cobalt Chloride Toxicity In Mouse Hippocampal Cells Through Altering Mitochondrial Dynamics And

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481