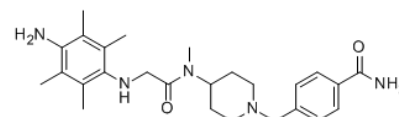


Product Name : SUN11602
Cat. No. : PC-42401
CAS No. : 704869-38-5
Molecular Formula : C₂₆H₃₇N₅O₂
Molecular Weight : 451.60428
Target : FGFR
Solubility : DMSO: ≥ 37 mg/mL



Biological Activity

A novel aniline compound that mimics the neuroprotective effects of bFGF by activating FGFR1-MEK/ERK signaling pathway; prevents glutamate-induced neuronal death in primary cultures of rat cerebrocortical neurons, augments phosphorylation of FGFR-1 and ERK-1/2, increases the levels of CALB1 gene expression; increases the levels of newly synthesized calcium-binding protein calbindin-D28k (Calb) in cerebrocortical neurons and suppresses the glutamate-induced rise in intracellular Ca(2+) in WT mice; attenuates neuronal damage and cognitive deficits in a rat model of Alzheimer's disease.

References

Murayama N, et al. ACS Chem Neurosci. 2013 Feb 20;4(2):266-76.

Ogino R, et al. Brain Res. 2014 Oct 17;1585:159-66.

Murayama N, et al. Brain Res. 2015 Jan 12;1594:71-81.

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

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