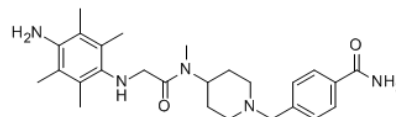


Product Name : SUN11602
Cat. No. : PC-42401
CAS No. : 704869-38-5
Molecular Formula : C₂₆H₃₇N₅O₂
Molecular Weight : 451.60428
Target : FGFR
Solubility : DMSO: ≥ 37 mg/mL



Biological Activity

SUN11602 is an aniline compound that mimics the neuroprotective effects of **bFGF** by activating **FGFR1-MEK/ERK** signaling pathway.

SUN11602 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.

SUN11602 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.

SUN11602 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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