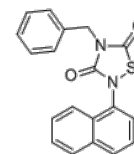


Product Name : Tideglusib
Cat. No. : PC-49290
CAS No. : 865854-05-3
Molecular Formula : C₁₉H₁₄N₂O₂S
Molecular Weight : 334.393
Target : GSK-3
Solubility : 10 mM in DMSO



Biological Activity

Tideglusib (NP031112, NP-12) is a potent and irreversible small molecule glycogen synthase kinase 3 (**GSK-3**) inhibitor with IC₅₀ of 60 nM.

Tideglusib (NP031112) is a potent anti-inflammatory and neuroprotective agent against KA-induced in vivo excitotoxicity.

Tideglusib (NP031112) inhibits glutamate-induced glial activation and protects cortical neurons from cell death in vitro.

Tideglusib (NP031112) attenuates glutamate-induced excitotoxic glial activation and neuronal damage.

References

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Domínguez JM, et al. J Biol Chem. 2012 Jan 6;287(2):893-904.

Serenó L, et al. Neurobiol Dis. 2009 Sep;35(3):359-67.

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

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