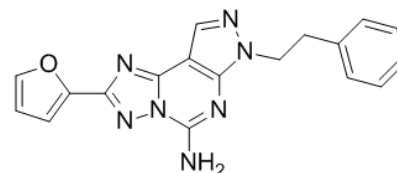


Product Name : SCH 58261
Cat. No. : PC-45642
CAS No. : 160098-96-4
Molecular Formula : C₁₈H₁₅N₇O
Molecular Weight : 345.358
Target : Adenosine Receptor
Solubility : DMSO: ≥ 34 mg/mL



Biological Activity

SCH 58261 is a potent and selective, competitive **A2A adenosine receptor** antagonist with K_i of 2.3 nM and 2.0 nM in rat and bovine brain, respectively.

SCH 58261 displays 323-, 53- and 100-fold selectivity over A₁, A_{2B} and A₃ receptors, respectively.

SCH 58261 reverses reperfusion injury (IR) increased hippocampal Glu, GABA, glycine and aspartate, MPO, TNF- α , nitric oxide, and PGE in Male Wistar rats.

References

Zocchi C, et al. *J Pharmacol Exp Ther*. 1996 Feb;276(2):398-404.

Beavis PA, et al. *Proc Natl Acad Sci U S A*. 2013 Sep 3;110(36):14711-6.

Mohamed RA, et al. *Neurochem Res*. 2012 Mar;37(3):538-47.

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

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