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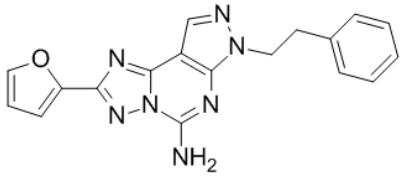
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	SCH 58261
Cat. No.	:	PC-45642
CAS No.	:	160098-96-4
Molecular Formula	:	$C_{18}H_{15}N_7O$
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 Ki 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, A2B 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.

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