

Product Name: SCH 58261

Catalog No.: 2270

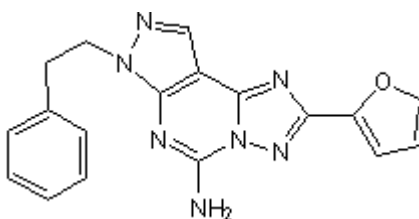
Batch No.: 7

CAS Number: 160098-96-4

IUPAC Name: 2-(2-Furanyl)-7-(2-phenylethyl)-7H-pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₈H₁₅N₇O
Batch Molecular Weight: 345.36
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.6 (Dichloromethane:Methanol [95:5])
HPLC: Shows >99.2% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	62.6	4.38	28.39
Found	62.34	4.41	28.36

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Product Name: SCH 58261

Catalog No.: 2270

Batch No.: 7

CAS Number: 160098-96-4

IUPAC Name: 2-(2-Furanyl)-7-(2-phenylethyl)-7H-pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine

Description:

Potent and selective A_{2A} adenosine receptor competitive antagonist (K_i = 1.3 nM). Displays 323-, 53- and 100-fold selectivity over A₁, A_{2B} and A₃ receptors, respectively.

Physical and Chemical Properties:

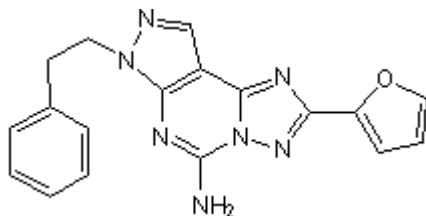
Batch Molecular Formula: C₁₈H₁₅N₇O

Batch Molecular Weight: 345.36

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Zocchi et al (1996) Binding of the radioligand [³H]-SCH 58261, a new non-xanthine A_{2A} adenosine receptor antagonist, to rat striatal membranes. *J.Pharmacol.Exp.Ther.* **276** 398. PMID: 8632302.

Belardinelli et al (1997) The A_{2A} adenosine receptor mediates coronary vasodilation. *J.Pharmacol.Exp.Ther.* **284** 1066.

Bastia et al (2002) Effects of A₁ and A_{2A} adenosine receptor ligands in mouse acute models of pain. *Neurosci.Lett.* **328** 241. PMID: 12147316.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Tocris Bioscience is an R&D Systems company

USA & CANADA Tel: (800) 343-7475 EUROPE Tel: +44 (0)1235 529449 CHINA Tel: +86 (21) 52380373

www.RnDSystems.com