

Product Information

SCH58261

Cat. No.: X23-12-YM978

Size: 5 mg; 10 mg; 25 mg; 50 mg

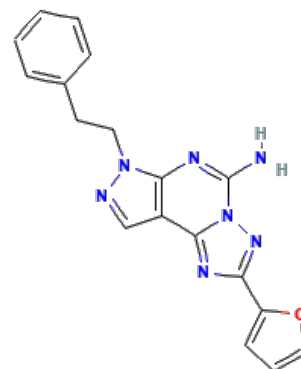
CAS Number: 160098-96-4

Compound CID: 176408

Synonym: 160098-96-4;

2-(Furan-2-yl)-7-phenethyl-7H-pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	SCH58261, soluble in DMSO and insoluble in water and ethanol, inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins. It targets bovine A2a, and rat A2a.
Molecular Weight	345.36
Molecular Formula	C ₁₈ H ₁₅ N ₇ O
Targets	Bovine A2a: 2.0 nM (Ki); Rat A2a: 2.3 nM (Ki)
IUPAC Name	4-(Furan-2-yl)-10-(2-phenylethyl)-3,5,6,8,10,11-hexazatricyclo[7.3.0.0 ^{2,6}]dodeca-1(9),2,4,7,11-pentaen-7-amine
InChI	InChI=1S/C18H15N7O/c19-18-22-16-13(11-20-24(16)9-8-12-5-2-1-3-6-12)17-21-15(23-25(17)18)14-7-4-10-26-14/h1-7,10-11H,8-9H2,(H2,19,22)
InChI Key	UTLPKQYUXOEJIL-UHFFFAOYSA-N
Canonical SMILES	C1=CC=C(C=C1)CCN2C3=C(C=N2)C4=NC(=NN4C(=N3)N)C5=CC=CO5
Form	Lyophilized powder
Purity	>98%
Solubility	DMSO: 61 mg/mL (176.63 mM); Water: insoluble; Ethanol: insoluble
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	SCH58261 can be used for its ability to modulate neurotransmitter release and affect neuronal function, potentially influencing cognitive processes, motor activity, and other neurological functions.
Storage	Store at -20°C, and keep desiccated.