

Product Name : Preladenant

Synonyms : SCH-420814;SCH 420814;SCH420814

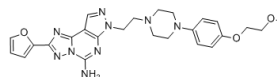
Cat No. : M14304

CAS Number : 377727-87-2

Molecular Formula : C₂₅H₂₉N₉O₃

Formula Weight : 503.56

Chemical Name : 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine, 2-(2-furanyl)-7-[2-[4-[4-(2-methoxyethoxy)phenyl]-1-piperazinyl]ethyl]-



Description : A potent and highly selective A_{2A} receptor competitive antagonist with K_i of 1.1 nM; has >1000-fold selectivity over all other adenosine receptors; attenuates hypolocomotion induced by the A_{2A}R agonist CGS-21680; potentiates L-Dopa -induced contralateral rotations after 6-hydroxydopamine lesions in the medial forebrain bundle in rats (0.1-1 mg/kg); orally active.

Pathway : Apoptosis

Target : Adenosine Receptor

Receptor : A_{2A}

Solubility : DMSO

SMILES : NC1=NC(N(CCN2CCN(C3=CC=C(C(=C3)C(=O)COC)C=C3)CC2)N=C4)=C4C5=NC(C6=CC=CC6)=NN15

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Neustadt BR, et al. Bioorg Med Chem Lett. 2009 Feb 1;19(3):967-71. | 2. Hodgson RA, et al. J Pharmacol Exp Ther. 2009 Jul;330(1):294-303. | 3. Hodgson RA, et al. Exp Neurol. 2010 Oct;225(2):384-90.