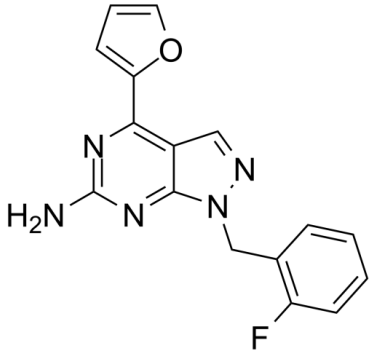
Data Sheet

Product Name:	A2A receptor antagonist 1
Cat. No.:	CS-6940
CAS No.:	443103-97-7
Molecular Formula:	C16H12FN5O
Molecular Weight:	309.30
Target:	Adenosine Receptor
Pathway:	GPCR/G Protein
Solubility:	DMSO : 25 mg/mL (80.83 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

A2A receptor antagonist 1 (CPI-444 analog) is an antagonist of both **adenosine A_{2A} receptor** and **A_1 receptor** with **K_i**s of 4 and 264 nM, respectively. IC50 & Target: Ki: 4 nM (adenosine A_{2A} receptor), 264 nM (A_1 receptor)[1]

References:

[1]. Gillespie RJ, et al. Antagonists of the human adenosine A2A receptor. Part 3: Design and synthesis of pyrazolo[3,4-d]pyrimidines, pyrrolo[2,3-d]pyrimidines and 6-arylpurines. Bioorg Med Chem Lett. 2008 May 1;18(9):2924-9.

CAIndexNames:

1H-Pyrazolo[3,4-d]pyrimidin-6-amine, 1-[(2-fluorophenyl)methyl]-4-(2-furanyl)-

SMILES:

NC1=NC(C2=CC=CO2)=C3C(N(CC4=C(F)C=CC=C4)N=C3)=N1

Caution: Product has not been fully validated for medical applications. For research use only.

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