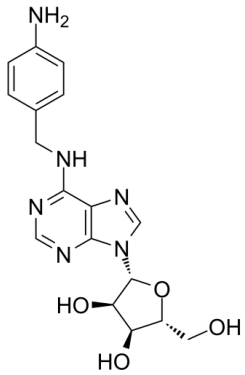
Data Sheet

Product Name:	N-[(4-Aminophenyl)methyl]adenosine
Cat. No.:	CS-5606
CAS No.:	95523-13-0
Molecular Formula:	C17H20N6O4
Molecular Weight:	372.38
Target:	Adenosine Receptor
Pathway:	GPCR/G Protein
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

N-[(4-Aminophenyl)methyl]adenosine is a adenosine receptor inhibitor, with Ki of 29 nM for Rat ecto-5′-Nucleotidase. IC50 value: 29.0 ± 1.7 nM (Ki) Target: Adenosine Receptor

References:

[1]. Bhattarai S, et al. α,β-Methylene-ADP (AOPCP) Derivatives and Analogues: Development of Potent and Selective ecto-5'-Nucleotidase (CD73) Inhibitors. J Med Chem. 2015 Aug 13;58(15):6248-63.

[2]. Chen JB, et al. Design and synthesis of novel dual-action compounds targeting the adenosine A(2A) receptor and adenosine transporter for neuroprotection. ChemMedChem. 2011 Aug 1;6(8):1390-400.

[3]. Zhu Z, et al. Constrained NBMPR analogue synthesis, pharmacophore mapping and 3D-QSAR modeling of equilibrative nucleoside transporter 1 (ENT1) inhibitory activity. Bioorg Med Chem. 2008 Apr 1;16(7):3848-65.

CAIndexNames:

Adenosine, N-[(4-aminophenyl)methyl]-

SMILES:

OC[C@@H]1[C@H]([C@H]([C@H](N2C=NC3=C2N=CN=C3NCC4=CC=C(N)C=C4)O1)O)O

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

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA