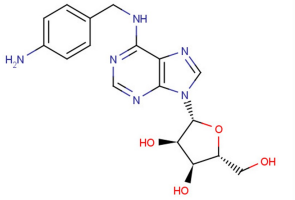
Data Sheet (Cat.No.T16166)

TargetMol
A DRUG SCREENING EXPERT

N-[(4-Aminophenyl)methyl]adenosine

Chemical Properties



CAS No.:	95523-13-0
Formula:	C17H20N6O4
Molecular Weight:	372.38
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	N-[(4-Aminophenyl)methyl]adenosine is an adenosine receptor inhibitor (Ki: 29 nM for Rat ecto-5′-Nucleotidase).
Targets(IC_{50})	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.685 mL	13.427 mL	26.854 mL
5 mM	0.537 mL	2.685 mL	5.371 mL
10 mM	0.269 mL	1.343 mL	2.685 mL
50 mM	0.054 mL	0.269 mL	0.537 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

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.

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