

Product Name: CV 1808

Catalog No.: 1710

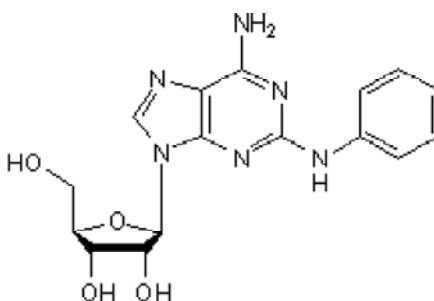
Batch No.: 4

CAS Number: 53296-10-9

IUPAC Name: 2-Phenylaminoadenosine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₆H₁₈N₆O₄
Batch Molecular Weight: 358.36
Physical Appearance: White solid
Solubility: DMSO to 10 mM
Storage: Desiccate at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.3% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	53.63	5.06	23.45
Found	53.61	5.11	23.26

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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CAS Number: 53296-10-9

IUPAC Name: 2-Phenylaminoadenosine

Description:

Adenosine A₂ receptor agonist. Coronary vasodilator, antihypertensive and antipsychotic following systemic administration in vivo.

Physical and Chemical Properties:

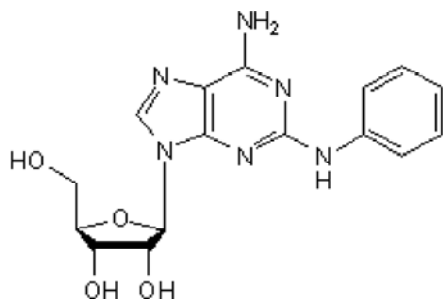
Batch Molecular Formula: C₁₆H₁₈N₆O₄

Batch Molecular Weight: 358.36

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Desiccate at +4°C

Solubility & Usage Info:

DMSO to 10 mM

CAUTION - This product is hygroscopic and we recommend that it is desiccated upon arrival. Solutions should be made up as soon as the vial is opened.

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Martin et al (1993) Adenosine agonists reduce conditioned avoidance responding in the rat. *Pharmacol.Biochem.Behav.* **45** 951. PMID: 8105493.

Abiru et al (1991) The antihypertensive effect of 2-alkynyladenosines and the selective affinity for adenosine A₂ receptors. *Eur.J.Pharmacol.* **196** 69. PMID: 1874281.

Marumoto et al (1975) Synthesis and coronary vasodilating activity of 2-substituted adenosines. *Chem.Pharm.Bull.* **23** 759. PMID: 1182861.

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