Product Name: SDZ WAG 994
CAS Number: 130714-47-5
IUPAC Name: N-Cyclohexyl-2'-O-methyladenosine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_{17}H_{25}N_{5}O_{4}\cdot\frac{1}{2}H_{2}O
Batch Molecular Weight: 372.42
Physical Appearance: White solid
Solubility: 1.1eq. NaOH to 100 mM
DMSO to 100 mM
ethanol to 100 mM
Storage: Desiccate at +4°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.5 \) (Dichloromethane:Methanol [9:1])
Melting Point: Between 97 - 100°C
HPLC: Shows >99.1% purity
\(^1\)H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

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Product Information

Product Name: SDZ WAG 994
CAS Number: 130714-47-5
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Description:
Potent and selective A₁ adenosine receptor agonist (Kᵢ values are 23, > 10000 and 25000 nM for A₁, A₂A and A₂B receptors respectively). Causes a sustained fall in blood pressure and heart rate in spontaneous hypertensive rats and inhibits adenosine deaminase-stimulated lipolysis in rat adipocytes (Kᵢ = 8 nM).

Physical and Chemical Properties:
Batch Molecular Formula: C₁₇H₂₆N₈O₆.½H₂O
Batch Molecular Weight: 372.42
Physical Appearance: White solid
Minimum Purity: >99%

Storage: Desiccate at +4°C

Solubility & Usage Info:
1.1eq. NaOH to 100 mM
DMSO to 100 mM
ethanol to 100 mM

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:

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