Product Name: Cordycepin

CAS Number: 73-03-0

IUPAC Name: 3’-Deoxyadenosine

Catalog No.: 2294

Batch No.: 2

EC Number: 200-791-4

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_{10}H_{13}N_{5}O_{3}\cdot\text{1½H}_{2}\text{O}

Batch Molecular Weight: 273.76

Physical Appearance: White solid

Solubility: DMSO to 100 mM

Storage: Desiccate at +4°C

Batch Molecular Structure:

![Molecular Structure Diagram]

2. ANALYTICAL DATA

HPLC: Shows 99.3% purity

^1H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>43.88</td>
<td>43.98</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>5.71</td>
<td>5.62</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>25.58</td>
<td>25.52</td>
</tr>
</tbody>
</table>

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

Tocris Bioscience is an R&D Systems company

USA & CANADA Tel: (800) 343-7475  EUROPE Tel: +44 (0)1235 529449  CHINA Tel: +86 (21) 52380373

www.RnDSystems.com
Product Name: Cordycepin

CAS Number: 73-03-0
IUPAC Name: 3'-Deoxyadenosine

Catalog No.: 2294  Batch No.: 2
EC Number: 200-791-4

Description:
Nucleoside analog that acts as an anticancer and antifungal agent. Can be converted to 3'-deoxyadenosine triphosphate (3'-dATP), which inhibits ATP-dependent DNA synthesis. Inhibits growth of various tumor cells in vitro.

Physical and Chemical Properties:
Batch Molecular Formula: C_{10}H_{13}N_{3}O_{9}·1\frac{1}{4}H_{2}O
Batch Molecular Weight: 273.76
Physical Appearance: White solid
Minimum Purity: >99%

Batch Molecular Structure:

Storage: Desiccate at +4°C

Solubility & Usage Info:
DMSO 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: