Product Name: CGS 21680 hydrochloride
Catalog No.: 1063  Batch No.: 16
CAS Number: 124431-80-7
IUPAC Name: 4-[2-[[6-Amino-9-(N-ethyl-β-D-ribofuranuronamidosyl)-9H-purin-2-yl]amino]ethyl]benzenepropanoic acid hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \(C_{23}H_{29}N_7O_6\cdot HCl\cdot 0,5H_2O\)
Batch Molecular Weight: 549.5
Physical Appearance: White solid
Solubility: DMSO to 100 mM
2.25eq. NaOH to 100 mM
Storage: Desiccate at -20°C

2. ANALYTICAL DATA

HPLC: Shows >98.2% purity
\(^1H\) NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>50.27</td>
<td>5.78</td>
<td>17.84</td>
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<tr>
<td>Found</td>
<td>50.31</td>
<td>5.57</td>
<td>17.83</td>
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</table>

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

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Product Information

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Description:
A<sub>2A</sub> adenosine receptor agonist (K<sub>i</sub> = 27 nM). Has affinity for A<sub>1</sub> and A<sub>3</sub> adenosine receptors but can be used to distinguish A<sub>2A</sub>- and A<sub>2B</sub>-mediated effects.

Physical and Chemical Properties:
Batch Molecular Formula: C<sub>23</sub>H<sub>23</sub>N<sub>7</sub>O<sub>6</sub>·HCl·¾H<sub>2</sub>O
Batch Molecular Weight: 549.5
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Desiccate at -20°C

Solubility & Usage Info:
DMSO to 100 mM
2.25eq. NaOH 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: