1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $\mathrm{C_{16}H_{15}N_{7}O_{2}}$
Batch Molecular Weight: 337.34
Physical Appearance: Off White solid
Solubility:
- Ethanol to 5 mM
- DMSO to 100 mM
Storage: Store at RT

2. ANALYTICAL DATA

TLC: $R_f = 0.28$ (Dichloromethane:Ethyl acetate [1:1])
HPLC: Shows $>99.9\%$ purity
$^1$H 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>56.97</td>
<td>56.76</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>4.48</td>
<td>4.37</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>29.07</td>
<td>29.22</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: ZM 241385  
Catalog No.: 1036  
Batch No.: 14

CAS Number: 139180-30-6  
IUPAC Name: 4-(2-[7-Amino-2-(2-furyl)]1,2,4-triazolo[2,3-a][1,3,5]triazin-5-ylamino)ethyl)phenol

Description: Potent and highly selective A<sub>2A</sub> adenosine antagonist, with a pA<sub>2</sub> of 9.02 for A<sub>2A</sub> receptors in guinea pig cardiac vasculature and fold selectivities of 1000, 91 and 500,000 over A<sub>1</sub>, A<sub>2B</sub> and A<sub>3</sub> sites respectively. Active in vivo.

Physical and Chemical Properties:
Batch Molecular Formula: C<sub>16</sub>H<sub>15</sub>N<sub>7</sub>O<sub>2</sub>  
Batch Molecular Weight: 337.34  
Physical Appearance: Off White solid

Minimum Purity: >99%

Storage: Store at RT

Solubility & Usage Info:
ethanol to 5 mM  
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.

Licensing Information:
Sold with the permission of AstraZeneca UK Ltd.

References:
