Product Name: XAC Catalog No.: 3200 Batch No.: 2
CAS Number: 96865-92-8
IUPAC Name: \(N\)-(2-Aminoethyl)-2-[4-(2,3,6,7-tetrahydro-2,6-dioxo-1,3-dipropyl-1H-purin-8-yl)phenoxy]acetamide hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \(\text{C}_{21}\text{H}_{28}\text{N}_{6}\text{O}_{4}\text{HCl}\cdot\frac{2}{3}\text{H}_{2}\text{O}\)
Batch Molecular Weight: 505.48
Physical Appearance: White solid
Solubility: DMSO to 5 mM
Storage: Desiccate at RT

Batch Molecular Structure:

![Molecular Structure Image]

2. ANALYTICAL DATA

HPLC: Shows 98.3% purity
\(^1\text{H NMR:} \) Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
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<tr>
<td>Theoretical</td>
<td>49.9</td>
<td>6.68</td>
<td>16.63</td>
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<tr>
<td>Found</td>
<td>49.63</td>
<td>6.27</td>
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</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
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Catalog No.: 3200  
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Description:
Adenosine receptor antagonist (IC\textsubscript{50} values are 1.8 and 114 nM at A\textsubscript{1} and A\textsubscript{2} receptors respectively). Attenuates adenosine-induced vasodilation and exhibits proconvulsant activity in vivo.

Storage: Desiccate at RT

Solubility & Usage Info:
DMSO to 5 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:
