1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $\text{C}_6\text{H}_6\text{N}_2\text{O}_3 \cdot \frac{1}{2}\text{H}_2\text{O}$

Batch Molecular Weight: 163.13

Physical Appearance: White crystalline solid

Solubility:
- Water to 100 mM
- DMSO to 100 mM

Storage: Store at RT

2. ANALYTICAL DATA

Melting Point: Between 187 - 188°C

HPLC: Shows >99.9% purity

$^1\text{H NMR}$: 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>4.18</td>
<td>44.01</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>4.32</td>
<td>4.19</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>17.17</td>
<td>17.09</td>
</tr>
</tbody>
</table>
**Product Information**

Product Name: Acipimox  
Catalog No.: 2784  
Batch No.: 1  
EC Number: 256-928-3

**Description:**  
Antilipolytic agent; lowers plasma free fatty acid (FFA), triglyceride (TG), glucose and insulin levels and increases leptin levels.

**Physical and Chemical Properties:**  
Batch Molecular Formula: C₇H₆N₂O₅½H₂O  
Batch Molecular Weight: 163.13  
Physical Appearance: White crystalline solid  
Minimum Purity: >99%

**Batch Molecular Structure:**

![Molecular Structure](image)

**Storage:** Store at RT

**Solubility & Usage Info:**  
water to 100 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.

**References:**  