1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_6\text{H}_6\text{N}_4 \)

Batch Molecular Weight: 134.14

Physical Appearance: White solid

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

Storage: Store at RT

Batch Molecular Structure:

![Molecular Structure](image)

2. ANALYTICAL DATA

Melting Point: At 843°C

HPLC: Shows 99.5% purity

\(^1\text{H} \text{NMR}: \) 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>53.72</td>
<td>4.51</td>
<td>41.77</td>
</tr>
<tr>
<td>Found</td>
<td>53.62</td>
<td>4.54</td>
<td>42.1</td>
</tr>
</tbody>
</table>
Product Name: ABT
CAS Number: 1614-12-6
IUPAC Name: 1H-Benzotriazol-1-amine

Description:
Cytochrome P450 inhibitor. Inhibits synthesis of the eicosanoid 20-hydroxyeicosatetraenoic acid (20-HETE). Reduces intimal hyperplasia and vascular remodeling following endothelial injury in rat carotid arteries.

Physical and Chemical Properties:
Batch Molecular Formula: C₁₀H₁₀N₄
Batch Molecular Weight: 134.14
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Store at RT

Solubility & Usage Info:
water to 100 mM
DMSO to 100 mM
ethanol 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: