Product Name: Anastrozole
Catalog No.: 3388  
Batch No.: 1
CAS Number: 120511-73-1
IUPAC Name: α1,α1,α3,α3-Tetramethyl-5-(1H-1,2,4-triazol-1-ylmethyl)-1,3-benzenediacetonitrile

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₇H₁₉N₅
Batch Molecular Weight: 293.37
Physical Appearance: White solid
Solubility: DMSO to 100 mM, ethanol to 100 mM
Storage: Store at RT

2. ANALYTICAL DATA

HPLC: Shows >99.9% purity
¹H 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>69.6</td>
<td>69.41</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>6.52</td>
<td>6.55</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>23.87</td>
<td>23.72</td>
</tr>
</tbody>
</table>

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

bio-techne.com  
info@bio-techne.com  
technsupport@bio-techne.com

North America  
Tel: (800) 343 7475

China  
info.cn@bio-techne.com  
Tel: +86 (21) 52380373

Europe Middle East Africa  
Tel: +44 (0)1235 529449

Rest of World  
www.tocris.com/distributors  
Tel:+1 612 379 2956
Product Name: Anastrozole

CAS Number: 120511-73-1

IUPAC Name: α1,α1,α3,α3-Tetramethyl-5-(1H-1,2,4-triazol-1-ylmethyl)-1,3-benzenediacetonitrile

Description:
Potent and highly selective aromatase (CYP19) inhibitor (IC$_{50}$ = 15 nM) that has no discernible effect on adrenocorticoid hormone synthesis. Reduces plasma estrogen levels and exhibits antitumor activity in vivo. Orally active.

Physical and Chemical Properties:
Batch Molecular Formula: C$_{17}$H$_{19}$N$_{5}$
Batch Molecular Weight: 293.37
Physical Appearance: White solid

Minimum Purity: >99%

Storage: Store at RT

Solubility & Usage Info:
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:
