Product Name: BW-B 70C

Catalog No.: 1304

Batch No.: 2

CAS Number: 134470-38-5

IUPAC Name: \( N\)-[3-[3-(-Fluorophenoxy)phenyl]-1-methyl-2-propenyl]-\( N\)-hydroxyurea

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{17}H_{17}FN_{2}O_{3} \)

Batch Molecular Weight: 316.33

Physical Appearance: White solid

Solubility: ethanol to 3 mM

DMSO to 3 mM

Storage: Desiccate at -20°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.31 \) (Dichloromethane:Methanol [9:1])

Melting Point: Between 130 - 131°C

HPLC: Shows >98.6% purity

\(^1\)H NMR: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>64.55</td>
<td>64.35</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>5.42</td>
<td>5.52</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>8.86</td>
<td>8.89</td>
</tr>
</tbody>
</table>

Certificate of Analysis

Print Date: Apr 28th 2015

www.tocris.com
**Product Information**

**Product Name:** BW-B 70C  
**CAS Number:** 134470-38-5  
**IUPAC Name:** N-[3-([3-(Fluorophenoxy)phenyl]-1-methyl-2-propenyl]-N-hydroxyurea

**Description:** Potent, selective inhibitor of 5-lipoxygenase. Long half-life and high oral bioavailability in vivo.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C$_{17}$H$_{17}$F$_{2}$N$_{2}$O$_3$
- **Batch Molecular Weight:** 316.33
- **Physical Appearance:** White solid
- **Minimum Purity:** >98%

**Storage:** Desiccate at -20°C

**Solubility & Usage Info:**
- ethanol to 3 mM
- DMSO to 3 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:**