1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** C_{26}H_{24}N_{2}O_{6}S.HCl.1\frac{1}{2}H_{2}O
- **Batch Molecular Weight:** 556.02
- **Physical Appearance:** White solid
- **Solubility:** DMSO to 100 mM
- **Storage:** Desiccate at RT
- **Batch Molecular Structure:**

![Molecular Structure Image]

2. ANALYTICAL DATA

- **TLC:** R_{f} = 0.67 (Ethyl acetate:Petroleum ether [1:1])
- **HPLC:** Shows 98.2% purity
- **{^1}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>56.16</td>
<td>56.01</td>
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<tr>
<td>Hydrogen</td>
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<td>4.74</td>
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<tr>
<td>Nitrogen</td>
<td>5.04</td>
<td>5.03</td>
</tr>
</tbody>
</table>
Product Name: BGC 20-1531 hydrochloride
Catalog No.: 5327  Batch No.: 1

CAS Number: 1962928-26-2
IUPAC Name: 4-[[4-(5-Methoxy-2-pyridinyl)phenoxy]methyl]-5-methyl-N-[(2-methylphenyl)sulfonyl]-2-furancarboxamide hydrochloride

Description:

Physical and Chemical Properties:
Batch Molecular Formula: C38H34N2O6S.HCl.1½H2O
Batch Molecular Weight: 556.02
Physical Appearance: White solid

Minimum Purity: >98%

Storage: Desiccate at RT

Solubility & Usage Info:
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: