Product Name: Necrosulfonamide  
Catalog No.: 5025  
Batch No.: 2  
CAS Number: 1360614-48-7  
IUPAC Name: \((2E)-N-[4-([3-Methoxy-2-pyrazinyl]amino)sulfonyl]phenyl]-3-(5-nitro-2-thienyl)-2-propenamide\)

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \(C_{18}H_{15}N_{5}O_{6}S_{2} \cdot \frac{1}{2}H_{2}O\)
   Batch Molecular Weight: 470.48
   Physical Appearance: Yellow solid
   Solubility: DMSO to 20 mM
   Storage: Store at +4°C

2. ANALYTICAL DATA

   HPLC: Shows 99% 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>45.95</td>
<td>46.35</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>3.43</td>
<td>3.19</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>14.89</td>
<td>14.5</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: Necrosulfonamide

CAS Number: 1360614-48-7
IUPAC Name: (2E)-N-[4-[[3-Methoxy-2-pyrazinyl]amino]sulfonyl]phenyl]-3-(5-nitro-2-thienyl)-2-propenamide

Description:

Physical and Chemical Properties:
Batch Molecular Formula: C₁₈H₁₀N₅O₆S₂·½H₂O
Batch Molecular Weight: 470.48
Physical Appearance: Yellow solid
Minimum Purity: ≥98%

Storage: Store at +4°C
CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:
DMSO to 20 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: