1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $\text{C}_{10}\text{H}_{7}\text{N}_{5}\text{O}_{2}$

Batch Molecular Weight: 245.26

Physical Appearance: White solid

Solubility:
- ethanol to 5 mM
- DMSO to 100 mM

Storage: Store at +4°C

Batch Molecular Structure:

2. ANALYTICAL DATA

TLC: $R_1 = 0.25$ (Ethyl acetate:Petroleum ether [1:1])

Melting Point: At 151°C

HPLC: Shows >99.2% 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>48.97</td>
<td>48.99</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>2.88</td>
<td>2.86</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>28.55</td>
<td>28.44</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: Ro 106-9920
Catalog No.: 1778  Batch No.: 1

CAS Number: 62645-28-7
IUPAC Name: 6-(Phenylsulfinyl)tetrazolo[1,5-b]pyridazine

Description:
Inhibitor of NF-κB activation, possibly via selective inhibition of LPS- and TNF-α-induced IkBα ubiquitination (IC₅₀ = 3 μM). Blocks subsequent production of TNF-α, IL-1β and IL-6. Inhibits mucin production in an in vitro model of COPD, and is anti-inflammatory following oral administration in vivo. Also weakly inhibits EGFR, 5-lipoxygenase and iNOS.

Physical and Chemical Properties:
Batch Molecular Formula: C₁₀H₇N₄O₅S
Batch Molecular Weight: 245.26
Physical Appearance: White solid
Minimum Purity: >99%

Batch Molecular Structure:

Storage: Store at +4°C

Solubility & Usage Info:
ethanol to 5 mM
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: