1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{14}\text{H}_{17}\text{N}_{3}\text{O}_{3}\text{S}\cdot\text{HCl}\cdot\frac{1}{2}\text{H}_{2}\text{O} \)

Batch Molecular Weight: 352.84

Physical Appearance: White solid

Solubility: water to 20 mM

Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows >99.7% purity

\(^1\text{H NMR:}\) Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
<th>Sulfur</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>47.66</td>
<td>5.43</td>
<td>11.91</td>
<td>9.09</td>
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<tr>
<td>Found</td>
<td>47.92</td>
<td>5.17</td>
<td>11.66</td>
<td>9.41</td>
</tr>
</tbody>
</table>
Product Information

Product Name: HA 1100 hydrochloride
Catalog No.: 2415
Batch No.: 1

CAS Number: 155558-32-0
IUPAC Name: 1-[(1,2-Dihydro-1-oxo-5-isoquinolinyl)sulfonyl]hexahydro-1H-1,4-diazepine hydrochloride

Description:
Cell-permeable active metabolite of Fasudil (HA 1077; Cat. No. 0541). Produces ATP-competitive and reversible inhibition of Rho-kinase and is ~ 100-fold selective over a range of other protein kinases. Inhibits neutrophil migration and produces potent vasodilatory effects in vivo.

Physical and Chemical Properties:
Batch Molecular Formula: C$_{14}$H$_{17}$N$_{3}$O$_{3}$S.HCl.½H$_{2}$O
Batch Molecular Weight: 352.84
Physical Appearance: White solid
Minimum Purity: >99%

Batch Molecular Structure:

Storage: Store at -20°C

Solubility & Usage Info:
water 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:


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

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