Product Name: MPC 6827 hydrochloride
Catalog No.: 5231  
Batch No.: 1

CAS Number:  917369-31-4  
IUPAC Name:  \(N\)-(4-Methoxyphenyl)-N,2-dimethyl-4-quinazolinamine hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:  \(C_{17}H_{17}N_3O\cdot HCl\)
Batch Molecular Weight:  315.8
Physical Appearance:  Yellow solid
Solubility:  water to 100 mM  
DMSO to 100 mM
Storage:  Desiccate at RT

2. ANALYTICAL DATA

HPLC:  Shows 98.2% purity
\(^1\)H NMR:  Consistent with structure
Mass Spectrum:  Consistent with structure
Microanalysis:  
<table>
<thead>
<tr>
<th></th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>64.66</td>
<td>64.48</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>5.74</td>
<td>5.79</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>13.31</td>
<td>13.33</td>
</tr>
</tbody>
</table>

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

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Product Name: MPC 6827 hydrochloride

Catalog No.: 5231
Batch No.: 1

CAS Number: 917369-31-4
IUPAC Name: N-(4-Methoxyphenyl)-N,2-dimethyl-4-quinazolinamine hydrochloride

Description:
Potent inhibitor of microtubule formation (IC\textsubscript{50} = 1.5 - 3.4 nM); inhibits polymerization of tubulin in vitro and disrupts microtubule formation in several cancer cell lines. Inhibits tumor growth in vitro and in vivo; exhibits pro-apoptotic characteristics. Brain penetrant.

Physical and Chemical Properties:
Batch Molecular Formula: C\textsubscript{17}H\textsubscript{17}N\textsubscript{2}O.HCl
Batch Molecular Weight: 315.8
Physical Appearance: Yellow solid
Minimum Purity: >98%

Batch Molecular Structure:

Storage: Desiccate at RT

Solubility & Usage Info:
water to 100 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: