Product Name: CP 31398 dihydrochloride
CAS Number: 1217195-61-3
IUPAC Name: \( N'\)-[2-[2-(4-Methoxyphenyl)ethenyl]-4-quinazolinyl]-\( N'\),\( N''\)-dimethyl-1,3-propanediamine dihydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** \( C_{22}H_{26}N_{4}O \cdot HCl \cdot H_2O \)
- **Batch Molecular Weight:** 453.41
- **Physical Appearance:** Yellow solid
- **Solubility:**
  - Water to 100 mM
  - DMSO to 100 mM
- **Storage:** Desiccate at RT

![Batch Molecular Structure](image)

2. ANALYTICAL DATA

- **TLC:** \( R_f = 0.4 \) (Chloroform:Methanol:Ammonia soln. [90:10:1])
- **HPLC:** Shows 99.1% purity
- **\(^1\)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>Chlorine</th>
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<tr>
<td>Theoretical</td>
<td>58.28</td>
<td>6.67</td>
<td>12.36</td>
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<td>Found</td>
<td>58.26</td>
<td>6.51</td>
<td>12.58</td>
<td>15.19</td>
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</tbody>
</table>
### Product Information

**Product Name:** CP 31398 dihydrochloride  
**Catalog No.:** 3023  
**Batch No.:** 1  
**CAS Number:** 1217195-61-3  
**IUPAC Name:** \( N'\)-[2-[2-(4-Methoxyphenyl)ethenyl]-4-quinazolinyl]-\(N',N\)-dimethyl-1,3-propanediamine dihydrochloride

**Description:**

p53 stabilizing agent. Stabilizes the active conformation of p53 and promotes p53 activity in cancer cell lines with mutant or wild-type p53. Inhibits growth of small human tumor xenografts in vivo.

**Physical and Chemical Properties:**

- **Batch Molecular Formula:** \( C_{22}H_{20}N_4O_2 \cdot HCl \cdot H_2O \)
- **Batch Molecular Weight:** 453.41
- **Physical Appearance:** Yellow solid
- **Minimum Purity:** >99%

**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:**


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

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