Product Name: 1400W dihydrochloride
CAS Number: 214358-33-5
IUPAC Name: \n\n1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $\text{C}_{10}\text{H}_{15}\text{N}_3\cdot 2\text{HCl}$
Batch Molecular Weight: 250.17
Physical Appearance: White solid
Solubility: water to 100 mM
Storage: Desiccate at RT

2. ANALYTICAL DATA

HPLC: Shows 99.4% 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>Chlorine</th>
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<tbody>
<tr>
<td>Theoretical</td>
<td>48.01</td>
<td>6.85</td>
<td>16.8</td>
<td>28.34</td>
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<tr>
<td>Found</td>
<td>47.9</td>
<td>6.75</td>
<td>16.78</td>
<td>28.51</td>
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</table>
Product Name: 1400W dihydrochloride
Catalog No.: 1415
CAS Number: 214358-33-5
IUPAC Name: N-[[3-(Aminomethyl)phenyl]methyl]-ethanimidamide dihydrochloride

Description:
1400W dihydrochloride is a slow, tight binding, potent and highly selective inhibitor of inducible nitric oxide synthase (K_i = 7 nM). Selective over nNOS and eNOS (K_i values are 2 and 50 μM respectively). Cell-permeable and active in vivo. Neuroprotective in epilepsy models and has analgesic effects in models of mechanical and heat hypersensitivity.

Physical and Chemical Properties:
Batch Molecular Formula: C_{10}H_{15}N_3.2HCl
Batch Molecular Weight: 250.17
Physical Appearance: White solid
Minimum Purity: ≥99%

Storage: Desiccate at RT

Solubility & Usage Info:
water 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: