1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_{25}H_{26}F_{3}N_{5}O_{3}.H_{2}O
Batch Molecular Weight: 519.53
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows 99.8% purity
\textsuperscript{1}H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>57.8</td>
<td>57.84</td>
</tr>
<tr>
<td>H</td>
<td>5.43</td>
<td>5.07</td>
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<tr>
<td>N</td>
<td>13.48</td>
<td>13.24</td>
</tr>
</tbody>
</table>
Product Name: PND 1186
Catalog No.: 6891
Batch No.: 1

Description:
Potent FAK inhibitor (IC_{50} values are 1.5 and 100 nM for recombinant FAK and FAK in breast carcinoma cells, respectively). Promotes caspase activation; triggering apoptosis. Inhibits 4T1 breast carcinoma subcutaneous tumor growth and breast carcinoma cell motility. Decreases spontaneous breast to lung metastasis in pre-clinical models. Orally bioavailable.

Physical and Chemical Properties:
Batch Molecular Formula: C_{25}H_{26}F_{3}N_{5}O_{3}.H_{2}O
Batch Molecular Weight: 519.53
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Store at -20°C

Solubility & Usage Info:
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 aliquotted 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: