1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{25}H_{35}N_3O_2.2\text{HCl.H}_2\text{O} \)
Batch Molecular Weight: 500.51
Physical Appearance: White solid
Solubility:
- water to 50 mM
- DMSO to 50 mM
- ethanol to 100 mM
Storage: Desiccate at RT

2. ANALYTICAL DATA

HPLC: Shows 97.8% purity
Chiral HPLC: Shows 100% purity
\(^1\text{H NMR:} \) Consistent with structure
Mass Spectrum: Consistent with structure
Optical Rotation: \([\alpha]_D = -5.7 \) (Concentration = 1, Solvent = Ethanol)
Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>59.99</td>
<td>60.01</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>7.85</td>
<td>8.00</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>8.40</td>
<td>8.38</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Description:
PF 429242 dihydrochloride is a reversible, competitive inhibitor of sterol regulatory element-binding protein (SREBP) site 1 protease (IC₅₀ = 0.175 μM). Selective for site 1 protease against a panel of serine proteases. Inhibits rate of cholesterol synthesis in CHO cells (IC₅₀ = 0.53 μM). Also displays antiviral activity. Cell permeable.

Physical and Chemical Properties:
Batch Molecular Formula: C₂₅H₃₂N₅O₇•2HCl•H₂O
Batch Molecular Weight: 500.51
Physical Appearance: White solid
Minimum Purity: ≥97%

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.

Licensing Information:
Sold for research purposes under agreement from Pfizer Inc.

References:
Olmstead (2012) Human subtilase SKI-1/S1P is a master regulator of the HCV lifecycle and a potential host cell target for developing indirect-acting antiviral agents. PLoS.Pathog. 8 e1002468. PMID: 22241994.