Product Name: PF 3084014 hydrobromide
Catalog No.: 5751 Batch No.: 1
CAS Number: 1962925-29-6
IUPAC Name: \((2S)-2-\{[(2S)-6,8-Difluoro-1,2,3,4-tetrahydro-2-naphthalenyl]amino\}-N-\{1-[2-\{2,2-dimethylpropyl\}amino]-1,1-dimethylethyl\}-1H-imidazol-4-yl\}pentanamide dihydrobromide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \(C_{27}H_{41}F_2N_5O.2HBr\)
Batch Molecular Weight: 651.47
Physical Appearance: White solid
Solubility: water to 10 mM with gentle warming
DMSO to 100 mM
Storage: Desiccate at RT

2. ANALYTICAL DATA

HPLC: Shows 99.3% 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>Bromine</th>
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<td>49.78</td>
<td>6.65</td>
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<tr>
<td>Found</td>
<td>49.47</td>
<td>6.55</td>
<td>10.63</td>
<td>24.54</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
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**Description:**
Potent γ-secretase inhibitor (IC₅₀ values are 1.2 and 6.2 nM in whole cell and cell-free assays, respectively). Reduces Aβ in brain, CSF and plasma in mice and guinea pigs.

**Physical and Chemical Properties:**
Batch Molecular Formula: C₂₇H₄₁F₃N₅O₁.2HBr
Batch Molecular Weight: 651.47
Physical Appearance: White solid

**Minimum Purity:** >98%

**Storage:** Desiccate at RT

**Solubility & Usage Info:**
- water to 10 mM with gentle warming
- 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.

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

**References:**