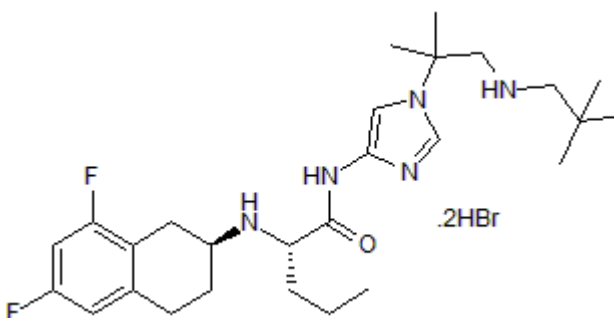


**Product Name:** PF 3084014 hydrobromide **Catalog No.:** 5751 **Batch No.:** 1  
**CAS Number:** 1962925-29-6  
**IUPAC Name:** (2S)-2-[[[(2S)-6,8-Difluoro-1,2,3,4-tetrahydro-2-naphthalenyl]amino]-N-[1-[2-[(2,2-dimethylpropyl)amino]-1,1-dimethylethyl]-1H-imidazol-4-yl]pentanamide dihydrobromide

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>27</sub>H<sub>41</sub>F<sub>2</sub>N<sub>5</sub>O.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  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.3% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

|             | Carbon | Hydrogen | Nitrogen | Bromine |
|-------------|--------|----------|----------|---------|
| Theoretical | 49.78  | 6.65     | 10.75    | 24.53   |
| Found       | 49.47  | 6.55     | 10.63    | 24.54   |

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

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**Description:**

Potent  $\gamma$ -secretase inhibitor (IC<sub>50</sub> values are 1.2 and 6.2 nM in whole cell and cell-free assays, respectively). Reduces A $\beta$  in brain, CSF and plasma in mice and guinea pigs.

**Physical and Chemical Properties:**

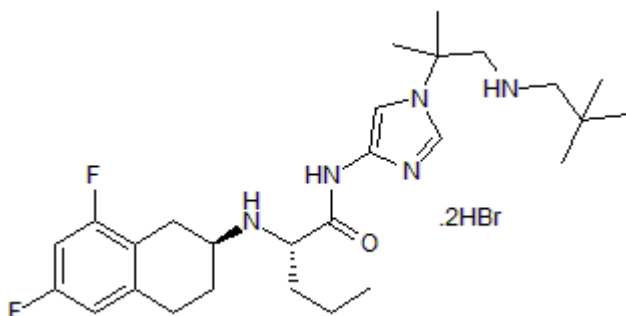
Batch Molecular Formula: C<sub>27</sub>H<sub>41</sub>F<sub>2</sub>N<sub>5</sub>O.2HBr

Batch Molecular Weight: 651.47

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**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:**

Lanz *et al* (2010) Pharmacodynamics and pharmacokinetics of the gamma-secretase inhibitor PF-3084014. *J.Pharmacol.Exp.Ther.* **334** 269. PMID: 20363853.

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