

**Product Name:** PF 04885614

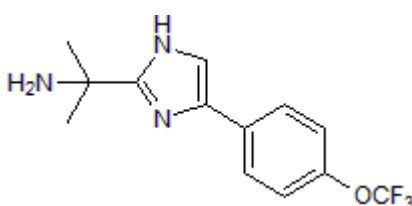
**Catalog No.:** 4916

**Batch No.:** 1

**IUPAC Name:** 1-Methyl-1-[4-(4-trifluoromethoxy)phenyl]-imidazol-2-yl]-ethanamine

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>13</sub>H<sub>14</sub>F<sub>3</sub>N<sub>3</sub>O·¼H<sub>2</sub>O  
**Batch Molecular Weight:** 289.76  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 100 mM  
 ethanol to 100 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.4% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	53.89	5.04	14.5
Found	53.78	4.9	14.3

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

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**Description:**

Potent Na<sub>v</sub>1.8 inhibitor (IC<sub>50</sub> = 53 nM for human Na<sub>v</sub>1.8 channel). Exhibits selectivity for hNa<sub>v</sub>1.8 over hNa<sub>v</sub>1.6, hNa<sub>v</sub>1.7, hNa<sub>v</sub>1.1, hNa<sub>v</sub>1.2 and hNa<sub>v</sub>1.5 (IC<sub>50</sub> values are 4.2, 7.0, 11, 16 and 27 μM respectively). Orally bioavailable.

**Physical and Chemical Properties:**

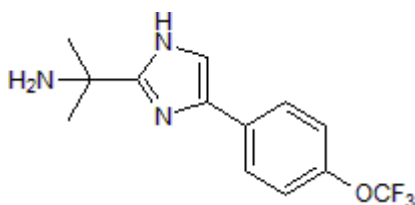
Batch Molecular Formula: C<sub>13</sub>H<sub>14</sub>F<sub>3</sub>N<sub>3</sub>O.¼H<sub>2</sub>O

Batch Molecular Weight: 289.76

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO to 100 mM

ethanol 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.

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