

Product Name: PF 04885614

Catalog No.: 4916

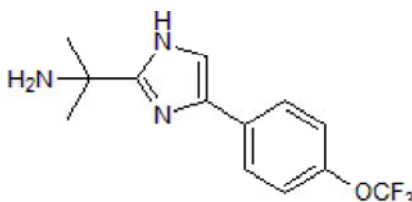
Batch No.: 2

CAS Number: 1480833-70-2

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

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₃H₁₄F₃N₃O.
Batch Molecular Weight: 285.26
Physical Appearance: Off White solid
Solubility: DMSO to 100 mM
 ethanol to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.1% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	54.73	4.95	14.73
Found	54.54	4.97	14.57

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

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Description:

PF 04885614 is a potent Na_v1.8 inhibitor (IC₅₀ = 53 nM for human Na_v1.8 channel). Exhibits selectivity for hNa_v1.8 over hNa_v1.6, hNa_v1.7, hNa_v1.1, hNa_v1.2 and hNa_v1.5 (IC₅₀ values are 4.2, 7.0, 11, 16 and 27 μM respectively). Orally bioavailable.

Physical and Chemical Properties:

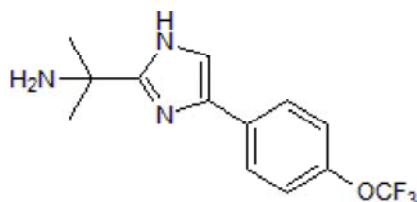
Batch Molecular Formula: C₁₃H₁₄F₃N₃O.

Batch Molecular Weight: 285.26

Physical Appearance: Off 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.

Licensing Information:

Sold for research purposes under agreement from Pfizer Inc.

References:

Bagal et al (2013) Discovery of selective Na_v1.8 modulators for the treatment of chronic pain. Abstract. 4th RSC/SCI Symp. on Ion Channels as Ther. Targ.

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