

Product Name: PF 06260933 dihydrochloride

Catalog No.: 5752

Batch No.: 1

CAS Number: 1883548-86-4

IUPAC Name: 5-(4-Chlorophenyl)-[3,3'-bipyridine]-6,6'-diamine dihydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₆H₁₃ClN₄.2HCl

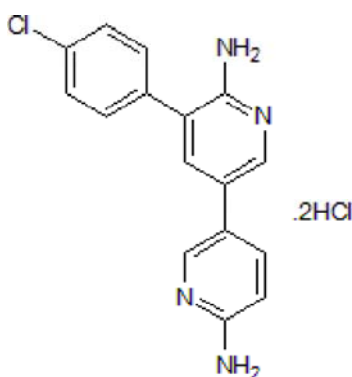
Batch Molecular Weight: 369.68

Physical Appearance: Off White solid

Solubility: water to 100 mM
DMSO to 20 mM

Storage: Desiccate at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.8% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	51.98	4.09	15.16
Found	51.79	4.14	15.04

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

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Description:

PF 06260933 dihydrochloride is a MAP4K4 (HGK) inhibitor (IC_{50} = 140 nM). Also inhibits MINK and TNIK (IC_{50} values are 8 and 13 nM, respectively). Improves fasting hyperglycemia in mice. Orally active.

Physical and Chemical Properties:

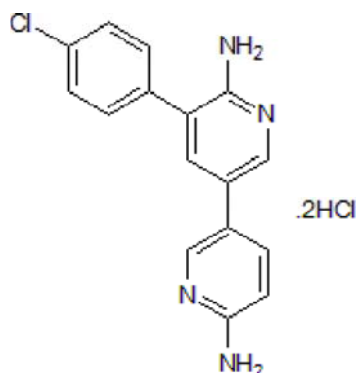
Batch Molecular Formula: $C_{16}H_{13}ClN_4 \cdot 2HCl$

Batch Molecular Weight: 369.68

Physical Appearance: Off White solid

Minimum Purity: $\geq 98\%$

Batch Molecular Structure:



Storage: Desiccate at RT

Solubility & Usage Info:

water to 100 mM

DMSO to 20 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:

Ammirati et al (2015) Discovery of an *in vivo* tool to establish proof-of-concept for MAP4K4-based antidiabetic treatment. ACS Med.Chem.Lett. **6** 1128. PMID: 26617966.

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