

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

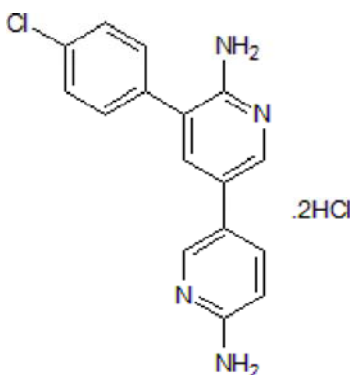
Batch Molecular Weight: 369.68

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 99% 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

bio-techne.com

info@bio-techne.com
techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com
Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors
Tel:+1 612 379 2956

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Description:

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:

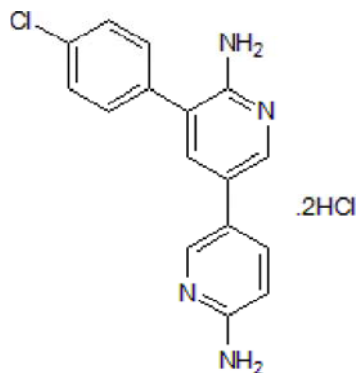
Batch Molecular Formula: $C_{16}H_{13}ClN_4 \cdot 2HCl$

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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techsupport@bio-techne.com

North America

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