

Certificate of Analysis

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Product Name: PF 04217903 mesylate

Catalog No.: 4239

Batch No.: 1

CAS Number: 956906-93-7

IUPAC Name: 4-[1-(6-Quinolinylmethyl)-1*H*-1,2,3-triazolo[4,5-*b*]pyrazin-6-yl]-1*H*-pyrazole-1-ethanol mesylate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₁₆N₈O.CH₃SO₃H

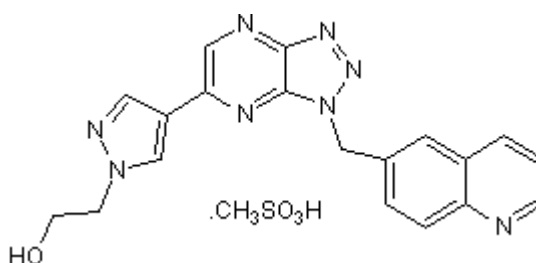
Batch Molecular Weight: 468.49

Physical Appearance: White solid

Solubility: DMSO to 100 mM

Storage: Store at +4°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.5% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	51.28	4.3	23.92
Found	51.46	4.32	23.92

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

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Description:

Highly selective, high affinity MET inhibitor ($K_i = 6-7$ nM against wild type c-Met). Displays >1000-fold selectivity for c-Met over a panel of 208 kinases.

Physical and Chemical Properties:

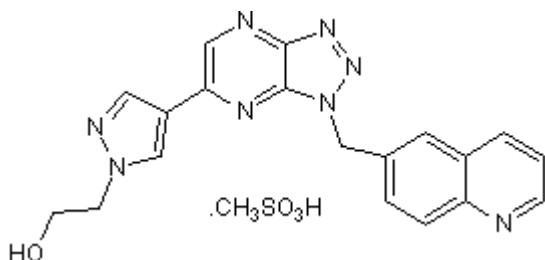
Batch Molecular Formula: C₁₉H₁₆N₈O.CH₃SO₃H

Batch Molecular Weight: 468.49

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

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.

References:

Eder et al (2009) Novel therapeutic inhibitors of the c-Met signaling pathway in cancer. *Clin.Cancer Res.* **15** 2207. PMID: 19318488.

Timofeevski et al (2009) Enzymatic characterization of c-Met receptor tyrosine kinase oncogenic mutants and kinetic studies with aminopyridine and triazolopyrazine inhibitors. *Biochemistry* **48** 5339. PMID: 19459657.

Underiner et al (2010) Discovery of small molecule c-Met inhibitors: evolution and profiles of clinical candidates. *Anticancer Agents Med.Chem.* **10** 7. PMID: 20015007.

Cui et al (2012) Discovery of a novel class of exquisitely selective mesenchymal-epithelial transition factor (c-MET) protein kinase inhibitors and identification of the clinical candidate 2-(4-(1-(quinolin-6-ylmethyl)-1*H*-[1,2,3]triazolo[4,5-*b*]pyrazin-6-yl)-1*H*-pyrazol-1-yl) ethanol (PF-04217903) for the treatment of cancer. *J.Med.Chem.* **55** 8091. PMID: 22924734.

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