

Product Name: VX 702

Catalog No.: 3916

Batch No.: 1

CAS Number: 745833-23-2

IUPAC Name: 6-[(Aminocarbonyl)(2,6-difluorophenyl)amino]-2-(2,4-difluorophenyl)-3-pyridinecarboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₁₂F₄N₄O₂.H₂O

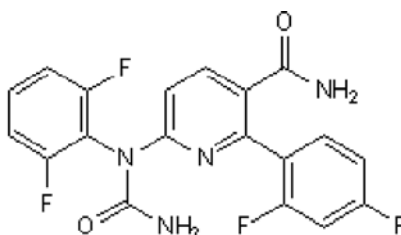
Batch Molecular Weight: 422.34

Physical Appearance: White solid

Solubility: DMSO to 100 mM
ethanol to 5 mM

Storage: Store at +4°C

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	54.04	3.34	13.27
Found	54.32	3.05	13.4

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

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Description:

Orally active, ATP-competitive inhibitor of p38 α MAPK; also inhibits p38 β (K_D values are 3.7 and 17 nM respectively).

Physical and Chemical Properties:

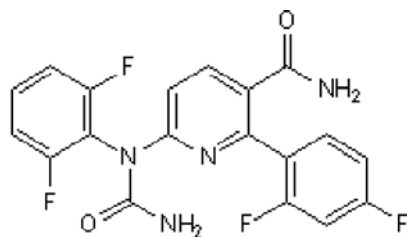
Batch Molecular Formula: C₁₉H₁₂F₄N₄O₂.H₂O

Batch Molecular Weight: 422.34

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 5 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:

Goldstein et al (2010) Selective p38 α inhibitors clinically evaluated for the treatment of chronic inflammatory disorders. *J.Med.Chem.* **53** 2345. PMID: 19950901.

Damjanov et al (2009) Efficacy, pharmacodynamics, and safety of VX-702, a novel p38 MAPK inhibitor, in rheumatoid arthritis. *Arthrit.Rheumat.* **60** 1232.

Din (2006) Drug evaluation: VX-702, a MAP kinase inhibitor for rheumatoid arthritis and acute coronary syndrome. *Curr.Opin.Investig.Drugs* **7** 1020. PMID: 17117592.

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