

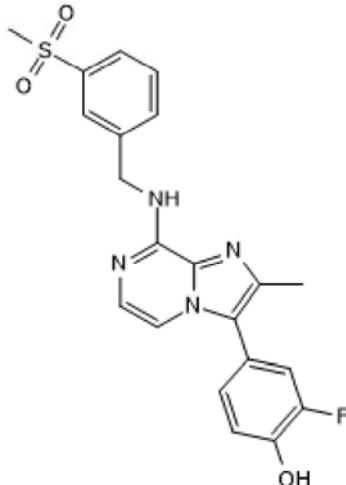
Certificate of Analysiswww.tocris.com**Product Name:** BF 738735**Catalog No.:** 6246**Batch No.:** 1

CAS Number: 1436383-95-7

IUPAC Name: 2-Fluoro-4-[2-methyl-8-[[[3-(methylsulfonyl)phenyl]methyl]amino]imidazo[1,2-a]pyrazin-3-yl]phenol

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₂₁ H ₁₉ FN ₄ O ₃ S
Batch Molecular Weight:	426.47
Physical Appearance:	Off White solid
Solubility:	DMSO to 100 mM ethanol to 20 mM
Storage:	Store at -20°C

Batch Molecular Structure:**2. ANALYTICAL DATA**

TLC:	R _f = 0.16 (Dichloromethane: Methanol [9:1])
HPLC:	Shows 98.3% purity
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure
Microanalysis:	Carbon Hydrogen Nitrogen
	Theoretical 59.14 4.49 13.14
	Found 59.25 4.48 13.1

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 Worldwww.tocris.com/distributors

Tel: +1 612 379 2956

Product Information

www.tocris.com

Product Name: BF 738735

Catalog No.: 6246

Batch No.: 1

CAS Number: 1436383-95-7

IUPAC Name: 2-Fluoro-4-[2-methyl-8-[[[3-(methylsulfonyl)phenyl]methyl]amino]imidazo[1,2-a]pyrazin-3-yl]phenol

Description:

Potent and selective ATP-competitive phosphatidylinositol 4-kinase III beta (PI 4-KIII β) inhibitor ($IC_{50} = 5.7$ nM). Displays approximately 200-fold selectivity over PI 4-KIII α . Broad spectrum enterovirus replication inhibitor.

Physical and Chemical Properties:

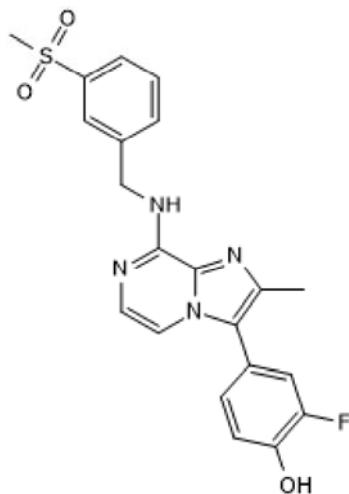
Batch Molecular Formula: $C_{21}H_{19}FN_4O_3S$

Batch Molecular Weight: 426.47

Physical Appearance: Off White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM
ethanol 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.

References:

MacLeod et al (2013) Identification of a series of compounds with potent antiviral activity for the treatment of enterovirus infections. *ACS Med.Chem.Lett.* **4** 585. PMID: 24900715.

van der Schaar et al (2013) A novel, broad-spectrum inhibitor of enterovirus replication that targets host cell factor phosphatidylinositol 4-kinase III. *Antimicrob.Aagents Chemother.* **57** 4971.

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