

**Product Name:** BF 738735

**Catalog No.:** 6246

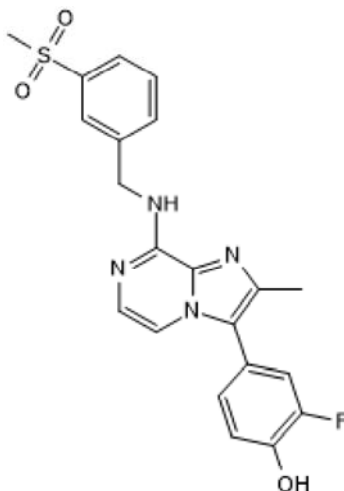
**Batch No.:** 1

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<sub>21</sub>H<sub>19</sub>FN<sub>4</sub>O<sub>3</sub>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<sub>f</sub> = 0.16 (Dichloromethane:Methanol [9:1])  
**HPLC:** Shows 98.3% purity  
**<sup>1</sup>H 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

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**Description:**

Potent and selective ATP-competitive phosphatidylinositol 4-kinase III beta (PI 4-KIII $\beta$ ) inhibitor (IC<sub>50</sub> = 5.7 nM). Displays approximately 200-fold selectivity over PI 4-KIII $\alpha$ . Broad spectrum enterovirus replication inhibitor.

**Physical and Chemical Properties:**

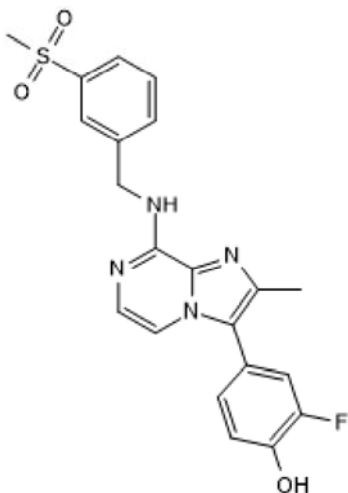
Batch Molecular Formula: C<sub>21</sub>H<sub>19</sub>FN<sub>4</sub>O<sub>3</sub>S

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.Agents Chemother.* **57** 4971.

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