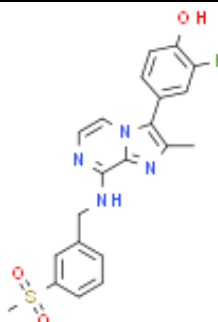


Product Data Sheet

Cas No.:	1436383-95-7	Cat. No:	PL09843
Product Name:	BF738735		
Product synonym:	2-氟-4-(2-甲基-8-((3-(甲基磺酰基)苄基)氨基)咪唑并[1,2-A]吡嗪-3-基)苯酚;化合物 T16530		
Chemical name:	BF738735		
MF:	C21H19FN4O3S	FW:	426.463966608047
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	S(C)(C1C=CC=C(C=1)CNC1C2=NC(C)=C(C3C=CC(=C(C=3)F)O)N2C=CN=1)(=O)=O		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

BF738735 是一种磷脂酰肌醇 4-激酶 IIIβ (PI4KIIIβ) 抑制剂, IC₅₀ 为 5.7 nM。

生物活性	BF738735 is a phosphatidylinositol 4-kinase III beta (PI4KIIIβ) inhibitor with an IC ₅₀ of 5.7 nM.
IC ₅₀ & Target[1][2]	PI4KIIIβ 5.7 nM (IC ₅₀) PI4KIIIα 1.7 μM (IC ₅₀)
体外研究(In Vitro)	BF738735 (Compound 1) strongly inhibits PI4KIIIβ activity in vitro, with an IC ₅₀ of 5.7 nM. BF738735 also impairs PI4KIIIα, but only at an ~300-fold-higher concentration (IC ₅₀ of 1.7 μM). In addition, the activity of BF738735 is analyzed on a set of 150 cellular kinases, including 13 lipid kinases at a concentration of 10 μM. For all kinases, the inhibition is less than 10%, indicating that BF738735 specifically inhibits PI4KIIIβ in vitro. BF738735 exhibits a broad spectrum of antiviral activity, as it inhibits all tested species of enteroviruses and rhinoviruses, with 50% effective concentrations ranging between 4 and 71 nM. BF738735 potently inhibits all viruses tested, with EC ₅₀ s ranging between 4 and 71 nM. The cytotoxicity of BF738735, determined in parallel with the EC ₅₀ and using the same culture conditions for 3 to 4 days, is
体内研究(In Vivo)	BF738735 is well tolerated by specimens with good plasma levels of the antiviral in circulation and a complete inhibition with 25 mg/kg and some inhibition with 5 mg/kg dose is observed. has not independently confirmed the accuracy of these methods. They are for reference only.

包装储存	Powder -20°C 3 years; 4°C 2 years
溶解度数据	In Vitro: DMSO : 125 mg/mL (293.11 mM; Need ultrasonic)配制储备液