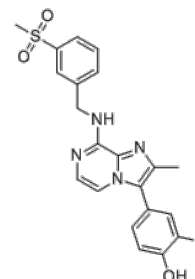


**Product Name** : BF738735  
**Cat. No.** : PC-63341  
**CAS No.** : 1436383-95-7  
**Molecular Formula** : C<sub>21</sub>H<sub>19</sub>FN<sub>4</sub>O<sub>3</sub>S  
**Molecular Weight** : 426.466  
**Target** : PI4K  
**Solubility** : 10 mM in DMSO



## Biological Activity

BF738735 is a novel, broad-spectrum inhibitor of enterovirus replication (EC<sub>50</sub>=4-71 nM) that specifically targets host cell factor **PI4KIIIβ** with IC<sub>50</sub> of 5.7 nM, 300-fold less potent for PI4KIIIα (IC<sub>50</sub>=1.7 μM).

BF738735 blocks viral RNA replication with IC<sub>50</sub> of 77 nM in Luciferase assays, strongly inhibits CVB3 and EV71 replicon replication at 1-5 μM.

BF738735 reduces the PI4P levels at the Golgi complex through a direct inhibition of PI4KIIIβ activity.

## References

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van der Schaar HM, et al. *Antimicrob Agents Chemother*. 2013 Oct;57(10):4971-81.

Ulferts R, et al. *Antimicrob Agents Chemother*. 2016 Apr 22;60(5):2627-38.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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