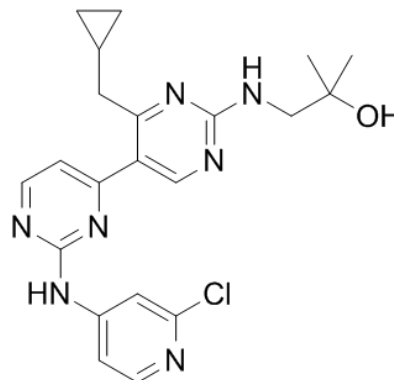


Product Name : Vps34-IN-1
Cat. No. : PC-43214
CAS No. : 1383716-33-3
Molecular Formula : C₂₁H₂₄ClN₇O
Molecular Weight : 425.9146
Target : PI3K
Solubility : DMSO: ≥ 31 mg/mL



Biological Activity

Vps34-IN-1 is a potent, selective inhibitor of class III PI3K **Vps34** with IC₅₀ of 25 nM, does not inhibit class I and II PI3Ks, as well as a broad panel of protein kinases or lipid kinases.

Vps34-IN-1 rapidly reduces endosomal PtdIns(3)P levels, induces a rapid ~50-60% loss of SGK3 phosphorylation in cells, does not inhibit activity of the SGK2 isoform.

Vps34-IN1 is a useful probe to delineate physiological roles of the Vps34.

References

Bago R, et al. *Biochem J.* 2014 Nov 1;463(3):413-27.

Valet C, et al. *Blood.* 2017 Nov 2;130(18):2032-2042.

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

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