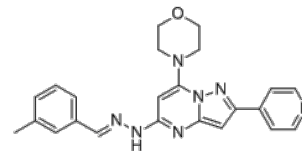


Product Name : APY0201
Cat. No. : PC-47002
CAS No. : 1232221-74-7
Molecular Formula : C₂₃H₂₃N₇O
Molecular Weight : 413.48
Target : PIKfyve
Solubility : > 50 mM in DMSO (>20.6 mg/mL)



Biological Activity

APY0201 is a potent, highly selective, ATP-competitive **PIKfyve** inhibitor with IC₅₀ of 5.2 nM, displays broad anti-multiple myeloma activity with EC₅₀ at nanomolar concentrations.

APY0201 interrupts the conversion of phosphatidylinositol 3-phosphate (PtdIns3P) to PtdIns(3,5)P₂.

APY0201 inhibits IL-12/23 production from activated macrophages and monocytes, and demonstrates ameliorated inflammation in an experimental model of colitis.

APY0201 exhibits anti-multiple myeloma activity in cell lines of 100 ex vivo patient-derived primary samples, with increased activity in primary samples harboring trisomies and lacking t(11;14).

References

Hayakawa N, et al. *Bioorg Med Chem.* 2014 Jun 1;22(11):3021-9.

de Campos CB, et al. *Haematologica.* 2020 Jun;105(6):1641-1649.

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

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