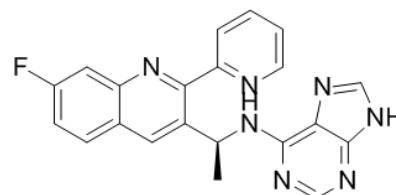


Product Name : AMG319
Cat. No. : PC-43287
CAS No. : 1608125-21-8
Molecular Formula : C₂₁H₁₆N₇
Molecular Weight : 385.397
Target : PI3K
Solubility : 10 mM in DMSO



Biological Activity

AMG319 (AMG-319) is a potent and selective **PI3Kδ** inhibitor with biochemical IC₅₀ of 18 nM, displays >80-fold selectivity over PI3Kα/β/γ (IC₅₀=3300/2700/850 nM).

AMG319 exhibits an IC₅₀ of 16 nM in human whole blood assay (HWB), excellent selectivity over a large panel of protein kinases;

AMG319 inhibits anti-IgM induced AKT phosphorylation (Ser473) in mouse B cells with IC₅₀ of 1.5 nM, inhibits anti-IgM/CD40L-induced B cell proliferation with IC₅₀ of 8.6 nM.

AMG319 exhibits in vivo efficacy in rodent disease models of inflammation.

References

Cushing TD, et al. *J Med Chem.* 2015 Jan 8;58(1):480-511.

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

E-mail: tech@probechem.com