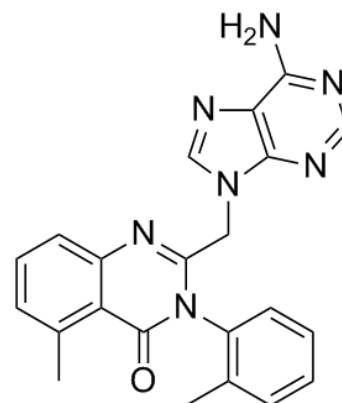


Product Name : IC-87114
Cat. No. : PC-42315
CAS No. : 371242-69-2
Molecular Formula : C₂₂H₁₉N₇O
Molecular Weight : 397.4326
Target : PI3K
Solubility : 10 mM in DMSO



Biological Activity

IC-87114 (IC87114) is a potent and selective **PI3Kδ** inhibitor with IC₅₀ of 0.5 μM. IC-87114 displays 58-fold selectivity over PI3Kγ, and >100-fold over PI3Kα and PI3Kβ. IC-87114 inhibits polarized morphology of neutrophils, fMLP-stimulated PIP3 production and chemotaxis. IC-87114 inhibits constitutive phosphorylation of Akt/PKB and suppresses AML cell proliferation. IC-87114 reduces vascular permeability in a murine model of asthma.

References

- Sadhu C, et al. *J Immunol.* 2003 Mar 1;170(5):2647-54.
Billottet C, et al. *Oncogene.* 2006 Oct 26;25(50):6648-59.
Puri KD, et al. *Blood.* 2004 May 1;103(9):3448-56.
Lee KS, et al. *J Allergy Clin Immunol.* 2006 Aug;118(2):403-9.

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

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