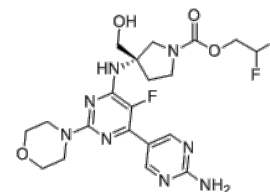


Product Name : PF-06843195
Cat. No. : PC-49021
CAS No. : 2067281-51-8
Molecular Formula : C₂₀H₂₅F₃N₈O₄
Molecular Weight : 498.467
Target : PI3K
Solubility : 10 mM in DMSO



Biological Activity

PF-06843195 is a potent, selective **PI3K α** inhibitor with K_i value of <0.018 nM, IC₅₀ of 18 nM (RAT1 PI3K α), with cellular isoform selectivity of 20-fold over PI3K β and 9-fold over PI3K δ .

PF-06843195 also demonstrated high selectivity over mTOR.

PF-06843195 is a potent inhibitor of both PI3K α (K_i < 0.018 nM) and PI3K δ (K_i < 0.28 nM), but found to be 9-fold selective for PI3K α over PI3K δ in cell assays.

PF-06843195 is selective over two other members of the class I catalytic PI3K kinase group, PI3K β and PI3K γ , >100- and >10 000-fold, respectively, in biochemical assays and 20-fold selective over PI3K β in cell assays.

References

Cheng H, et al. *J Med Chem.* 2021 Jan 14;64(1):644-661.

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

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