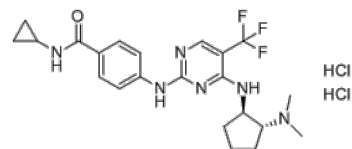


Product Name : PF-719 dihydrochloride
Cat. No. : PC-62802
CAS No. : 1404454-02-9 (Free Base)
Molecular Formula : C₂₂H₂₉Cl₂F₃N₆O
Molecular Weight : 521.41
Target : Focal Adhesion Kinase (FAK)
Solubility : 10 mM in DMSO



Biological Activity

PF-719 (PF719) is a potent, selective **Pyk2** inhibitor with IC₅₀ of 17 nM, displays 25-fold selectivity over FAK (IC₅₀=469 nM). PF-719 does not have significant inhibitory effects on recombinant MLCK2, p38, Akt1, or ROCK1, and very little inhibition at Src family kinases (IC₅₀>5 uM).

PF-719 selectively inhibits tyrosine phosphorylation of Pyk2 at 1 uM, but blocks both Pyk2 and FAK phosphorylation at 2.5 uM in A20 cells.

PF-719 reduces chemoattractant-induced migration of B-2 and MZ B cells.

References

Tse KW, et al. *Cell Immunol.* 2012 Jan-Feb;275(1-2):47-54.

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

E-mail: tech@probechem.com