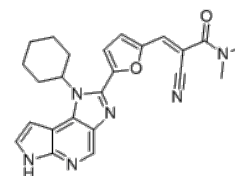


Product Name : FM-381
Cat. No. : PC-63575
CAS No. :
Molecular Formula : C₂₄H₂₄N₆O₂
Molecular Weight : 428.496
Target : JAK
Solubility :



Biological Activity

FM-381 is a potent, specific, reversible and covalent inhibitor of JAK3 with IC₅₀ of 127 pM, 400-, 2,700- and 3,600-fold selectivity over JAK1, JAK2, and Tyk2, respectively; targets the unique Cys909 at the gatekeeper position +7 in JAK3; blocks IL2-stimulated (JAK3/JAK1 dependent) STAT5 phosphorylation at 100 nM, but not JAK3 independent IL6-stimulated (JAK1/2/TYK dependent) STAT3 signalling in Human CD4+ T cells.

References

Forster M, et al. Cell Chem Biol. 2016 Nov 17;23(11):1335-1340.

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

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