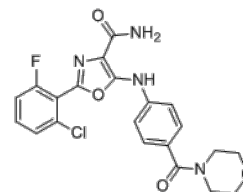


Product Name : SAR-20347
Cat. No. : PC-35842
CAS No. : 1450881-55-6
Molecular Formula : C₂₁H₁₈ClFN₄O₄
Molecular Weight : 444.847
Target : JAK
Solubility : 10 mM in DMSO



Biological Activity

SAR-20347 (SAR20347) is a potent, selective inhibitor of **JAK1** and **Tyk2** with IC₅₀ of 59 and 13 nM in TR-FRET assays, shows selectivity against JAK2 and JAK3 (IC₅₀>800 nM).

SAR-20347 potently inhibits IL-12-mediated STAT4 phosphorylation with IC₅₀ of 126 nM.

SAR-20347 inhibits JAK1-mediated IL-6 pSTAT3 signaling with IC₅₀ of 345 nM in TF-1 and 407 nM in CD4⁺ cells, poorly inhibits JAK2 mediated STAT5 phosphorylation with IC₅₀ of >1 μM.

SAR-20347 ameliorates imiquimod-induced psoriasis-like dermatitis in vivo.

References

Works MG, et al. *J Immunol.* 2014 Oct 1;193(7):3278-87.

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

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