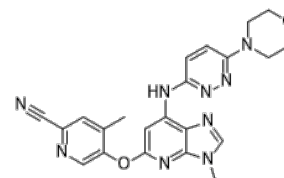


Product Name : GLPG3667
Cat. No. : PC-22404
CAS No. : 2308520-97-8
Molecular Formula : C₂₂H₂₁N₉O₂
Molecular Weight : 443.47
Target : JAK
Solubility : 10 mM in DMSO



CAS: 2308520-97-8

Biological Activity

Cadefrecitinib (GLPG3667) is a potent, reversible and selective, ATP-competitive **TYK2** inhibitor with IC₅₀ of 2.3 nM.

GLPG3667 is a selective TYK2 inhibitor in human PBMC and whole blood assays.

GLPG3667 shows dose-dependent inhibition of IFN α -induced STAT1 phosphorylation (JAK1/TYK2-dependent, IC₅₀=70 nM), IL-2-induced STAT5 phosphorylation (JAK1/JAK3-dependent) and granulocyte macrophage colony-stimulating factor (GM-CSF)-induced STAT5 phosphorylation (JAK2-dependent).

GLPG3667 displays general kinase selectivity against a panel of 365 kinases.

GLPG3667 reduced dermal ear inflammation in an IL-23-induced in vivo mouse model of psoriasis.

References

Mammoliti O, et al. *J Med Chem.* 2024 May 28. doi: 10.1021/acs.jmedchem.4c00769.

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

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