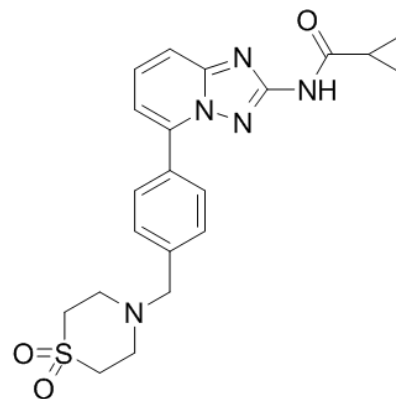


Product Name : Filgotinib
Cat. No. : PC-45448
CAS No. : 1206161-97-8
Molecular Formula : C₂₁H₂₃N₅O₃S
Molecular Weight : 425.504
Target : JAK
Solubility : DMSO: 6.8 mg/mL



Biological Activity

Filgotinib (GLPG 0634) is a potent **JAK1/JAK2** inhibitor with IC₅₀ of 10 nM/28 nM in biochemical assays, less potent for JAK3 and TYK2.

Filgotinib (GLPG 0634) shows a selectivity of 30-fold for JAK1- over JAK2-dependent signaling in cellular and whole blood assays.

Filgotinib (GLPG 0634) inhibits Th1 and Th2 differentiation and to a lesser extent the differentiation of Th17 cells in vitro.

Filgotinib (GLPG 0634) shows efficacy in the collagen-induced arthritis models and is orally active.

References

Menet CJ, et al. *J Med Chem.* 2014 Nov 26;57(22):9323-42.

Van Rompaey L, et al. *J Immunol.* 2013 Oct 1;191(7):3568-77.

Chen H, et al. *Sci Rep.* 2016 Jul 26;6:30459.

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

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