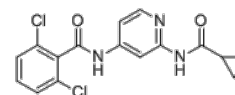


Product Name : GDC-046
Cat. No. : PC-38049
CAS No. : 1258292-64-6
Molecular Formula : C₁₆H₁₃Cl₂N₃O₂
Molecular Weight : 350.199
Target : JAK
Solubility : 10 mM in DMSO



Biological Activity

GDC-046 is a potent, selective, and orally bioavailable inhibitor of **TYK2** with K_i of 4.8, 0.7, 0.7, and 0.4 nM for TYK2, JAK1, JAK2, and JAK3, respectively.

GDC-046 demonstrates reasonable potency in blocking the IL-12 pathway (IL-12 pSTAT4 EC₅₀=380 nM) in cell based assays.

GDC-046 also displays less activity in the EPO (JAK2) pathway (EPO pSTAT5 EC₅₀=1700 nM), and IL-6 (JAK1) pathway (IL-6 pSTAT3 EC₅₀=2000 nM).

GDC-046 shows statistically significant knockdown of cytokine interferon- γ (IFN γ), in a mouse IL-12 PK/PD model.

References

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

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