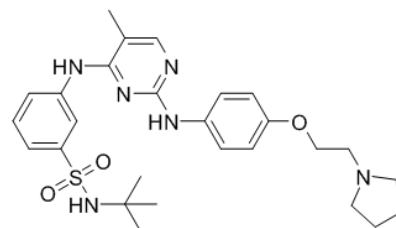


Product Name : TG-101348
Cat. No. : PC-42569
CAS No. : 936091-26-8
Molecular Formula : C₂₇H₃₆N₆O₃S
Molecular Weight : 524.6782
Target : JAK
Solubility : DMSO: ≥ 42 mg/mL



Biological Activity

TG-101348 (Fedratinib, SAR302503) is a potent, selective **JAK2** inhibitor with IC₅₀ of 3 nM for both wt JAK2 and JAK2 V617F.

TG-101348 also inhibits FLT3 (IC₅₀=15 nM) and RET (IC₅₀=48 nM) kinases, weakly inhibits JAK3 (IC₅₀=168 nM), >35-fold selectivity over JAK1/3 and Tyk2.

TG-101348 shows therapeutic efficacy in a murine model of myeloproliferative disease induced by the JAK2V617F mutation. TG-101348 also potently inhibits **BRD4** with K_d of 168 nM.

References

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Wernig G, et al. *Cancer Cell*. 2008 Apr;13(4):311-20.

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

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