

Cat No. 48-F21

TG101348

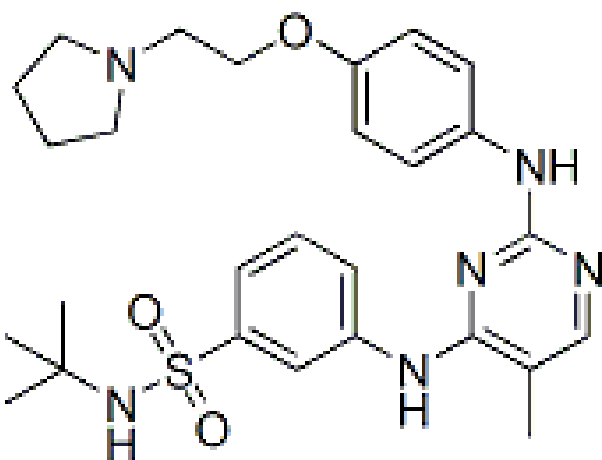


5mg

For research purposes only

TG101348 is an ATP competitive Janus -associated kinase 2 (JAK2) inhibitor. It has also been shown to inhibit Flt3 and Ret. It is not known to suppress any other kinases. It blocks the JAK2-driven STAT5 phosphorylation, cell proliferation and cell survival in JAK2V617F-expressing cell lines.

TECHNICAL INFORMATION



Other Names: *N*-tert-Butyl-3-{5-methyl-2-[4-(2-pyrrolidin-1-yl-ethoxy)-phenylamino]-pyrimidin-4-ylamino}-benzenesulfonamide

Chemical Formula: C₂₇H₃₆N₆O₃S

CAS Number: 936091-26-8

Molecular Weight: 524.68

Purity: >99%

Appearance: Fine White

Solubility: DMSO

IC₅₀: 3nM

STORAGE AND HANDLING

Storage: Store at 4°C and protected from light. Following reconstitution, store aliquots at -20°C.

Stability: Stock solutions stable at -20°C for up to 2 years.

Shipping Conditions: Shipped at room temperature.

PRODUCT USE

Soluble in DMSO. Soluble at 20mg/ml.

REFERENCES

1. Geyer, H.L., et al (2012). Jak2 inhibitors and their impact in myeloproliferative neoplasm. *Hematology*. 1:S129-32.
2. Betts, B.C., et al (2011). Janus kinase-2 inhibition induces durable tolerance to alloantigen by human dendritic cell-stimulated T cells yet preserves immunity to recall antigen. *Blood*. 118:5330-9.
3. Pardanani, A. et al (2011). Safety and efficacy of TG101348, a selective JAK2 inhibitor, in myelofibrosis. *J Clin Oncol*. 29:789-96.