



# Data Sheet

Research Use Only

## Compound Name

TG101348

## Catalog Number

SM103

## Alternative Names

SAR302503, SAR302503, N-tert-butyl-3-(5-methyl-2-(4-(2-(pyrrolidin-1-yl)ethoxy)phenylamino)pyrimidin-4-ylamino)benzenesulfonamide

## Activity

TG101348 is a selective small-molecule Janus kinase 2 (JAK2) inhibitor. TG101348 also inhibits FLT3 and RET.

## Effect

TG101348 exhibits promising pharmacokinetic profiles. TG101348 inhibits erythropoiesis from induced pluripotent stem cells (iPSC), but has less inhibitory effect on the self-renewal of CD34+ hematopoietic progenitors.

## Purity

>98%

## CAS

936091-26-8

## Formula

$C_{27}H_{36}N_6O_3S$

## Molecular Weight

524.68

## Solubility

DMSO, ethanol

## Stability

Stable at -20°C. Keep away from direct sunlight.

## References

1. Wernig, G., et al. 2008. Cancer Cell. 13(4): 311-320. PMID: 18394554
2. Ye, Z., et al. 2014. Stem Cells. 32(1): 269-278. PMID: 24105986
3. Mullally A., et al. 2010. Cancer Cell. 17(6): 584-596. PMID: 20541703