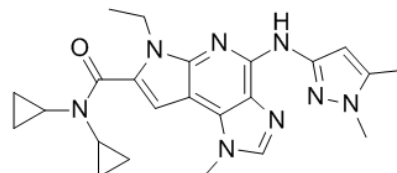


**Product Name** : BMS-911543  
**Cat. No.** : PC-44289  
**CAS No.** : 1271022-90-2  
**Molecular Formula** : C<sub>23</sub>H<sub>28</sub>N<sub>8</sub>O  
**Molecular Weight** : 432.5214  
**Target** : JAK  
**Solubility** : 10 mM in DMSO



## Biological Activity

A potent and selective small-molecule inhibitor of JAK2 with IC<sub>50</sub> of 1.1 nM; displays 350-, 75- and 65-fold selective to JAK1, JAK3 and TYK2, respectively; displays anti-proliferative effect on JAK2(V617F) MPNs and inhibits pSTAT5 in Ba/FJAK2V617F cells (IC<sub>50</sub>=60 nM); highly active in in vivo models and orally bioactive.

Bone Cancer  
Phase 1 Clinical

## References

- Purandare AV, et al. Leukemia. 2012 Feb;26(2):280-8.  
Wan H, et al. ACS Med Chem Lett. 2015 Jul 12;6(8):850-5.  
Mace TA, et al. Oncotarget. 2015 Dec 29;6(42):44509-22.

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

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