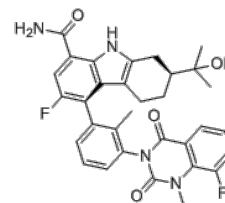


**Product Name** : BMS-986142  
**Cat. No.** : PC-60422  
**CAS No.** : 1643368-58-4  
**Molecular Formula** : C<sub>32</sub>H<sub>30</sub>F<sub>2</sub>N<sub>4</sub>O<sub>4</sub>  
**Molecular Weight** : 572.613  
**Target** : BTK  
**Solubility** :



## Biological Activity

BMS-986142 is a potent, selective and reversible **BTK** inhibitor with IC<sub>50</sub> of 0.5 nM; displays 20-60-fold selectivity over Tec family kinases, >10,000-fold selectivity over JAK2; potently inhibits signaling and functional end points, including calcium flux (IC<sub>50</sub>=9 nM), production of cytokines, proliferation, and surface expression of CD86 (IC<sub>50</sub>=3-4 nM); potently inhibits BCR-stimulated expression of CD69 on B cells in human whole blood with IC<sub>50</sub> of 90 nM; exhibits excellent in vivo properties and efficacy, and a very desirable tolerability and safety profile.

Rheumatoid Arthritis

Phase 2 Clinical

## References

Watterson SH, et al. J Med Chem. 2016 Oct 13;59(19):9173-9200.

Lee SK, et al. Eur J Clin Pharmacol. 2017 Jun;73(6):689-698.

Gillooly KM, et al. PLoS One. 2017 Jul 24;12(7):e0181782.

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

E-mail: tech@probechem.com