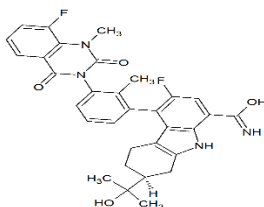


# BMS-986142

**ALTERNATE NAME:** BMS986142  
(2S,5R,3S)-6-fluoro-5-(3-(8-fluoro-1-methyl-2,4-dioxo-1,4-dihydroquinazolin-3(2H)-yl)-2-methylphenyl)-2-(2-hydroxypropan-2-yl)-2,3,4,9-tetrahydro-1H-carbazole-8-carboxamide

**CATALOG #:** B2420-1 1 mg  
B2420-5 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>32</sub>H<sub>30</sub>F<sub>2</sub>N<sub>4</sub>O<sub>4</sub>

**MOLECULAR WEIGHT:** 572.61

**CAS NUMBER:** 1643368-58-4

**APPEARANCE:** White to off-white solid

**PURITY:** ≥98% by HPLC

**SOLUBILITY:** >40 mg/ml DMSO

**STORAGE CONDITIONS:** -20°C

**DESCRIPTION:** BMS-986142 is a potent, selective, and reversible BTK (Bruton's tyrosine kinase) inhibitor (BTK IC<sub>50</sub> = 0.5nM; human WB IC<sub>50</sub> = 90 nM). BMS-986142 displays robust efficacy in murine models of rheumatoid arthritis (RA), including collagen-induced arthritis (CIA) and collagen antibody-induced arthritis (CAIA).

**REFERENCES:** Watterson, S.H., et al. (2016). J. Med. Chem. 59, 9173-9200  
Gillooly, K.M., (2017). PLoS One12(7): e0181782.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Evobrutinib (B2379)  
BTK Inhibitor, CNX-774 (2600)  
BTK Inhibitor, PCI-32765 (2298)  
AVL-292 (Spebrutinib) (9413)  
Acalabrutinib (B1193)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*