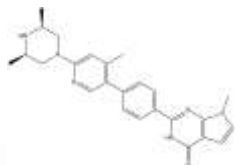


PRODUCT: AZ-6102**ALTERNATE NAME:** 2-(4-(6-((3R,5S)-3,5-dimethylpiperazin-1-yl)-4-methylpyridin-3-yl)phenyl)-7-methyl-3,7-dihydro-4H-pyrrolo[2,3-d]pyrimidin-4-one**CATALOG #:** B1200-5,25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₅H₂₈N₆O**MOLECULAR WEIGHT:** 428.54**CAS NUMBER:** 1645286-75-4**APPEARANCE:** Off White Solid**SOLUBILITY:** DMSO (>20 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.**DESCRIPTION:** AZ-6102 is a potent TNKS1/2 inhibitor (Tankyrase) that displays >100-fold selectivity against other poly (ADP-ribose) polymerase (PARP) family enzymes and inhibits Wnt pathway with IC₅₀ value of 5 nM in DLD-1 cells. Inhibition of the PARP catalytic domain of the tankyrases is known to inhibit the Wnt pathway via increased stabilization of Axin. Wnt pathway plays important role in cancer, tissue homeostasis; germline mutations of various Wnt pathway components as Axin can lead to oncogenesis.**REFERENCES:** Johannes, J.W., *et.al.* (2015). *ACS Med Chem Lett.* **6**, 254-259**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**JW55 (**2612**)MN64 (**B1127**)XAV939 (**1727**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**