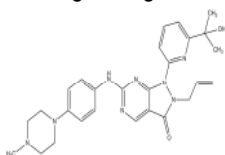


**PRODUCT: MK-1775****ALTERNATE NAME:** 2-allyl-1-(6-(2-hydroxypropan-2-yl)pyridin-2-yl)-6-(4-(4-methylpiperazin-1-yl)phenylamino)-1,2-dihydropyrazolo[3,4-d]pyrimidin-3-one**CATALOG #:** 2373-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>27</sub>H<sub>32</sub>N<sub>8</sub>O<sub>2</sub>**MOLECULAR WEIGHT:** 500.60**CAS NUMBER:** 955365-80-7**APPEARANCE:** Crystalline solid**SOLUBILITY:** DMSO (~80 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** At -20° C. Protect from light and moisture**DESCRIPTION:** MK-1775 is a potent and selective inhibitor of the tyrosine kinase WEE1 (IC<sub>50</sub> = 5.2 nM). It selectively targets and inhibits WEE1, a tyrosine kinase that phosphorylates cyclin-dependent kinase 1 (CDC2) to inactivate the CDC2/cyclin B complex. Inhibition of WEE1 activity prevents the phosphorylation of CDC2 and impairs the G2 DNA damage checkpoint. This may lead to apoptosis upon treatment with DNA damaging chemotherapeutic agents.**REFERENCE:** Hirai, H., *et al.* (2010). *Cancer Biol. Ther.* **9**, 514-522.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

ABT-869 (Cat. No. 1615-1, 5)  
Angiostatin, Human (Cat. No. 4919-100, 500)  
Angiostatin, K1-3, Human (Cat. No. 4920-20, 100, 500)  
BAY 43-9006 (Cat. No. 1594-25, 100)  
BAY 43-9006, Free base (Cat. No. 2142-25, 100)  
EZSolution™ BAY 43-9006 (Cat. No. 2031-25)  
BIBF1120 (Cat. No. 2167-5, 25)  
BTK Inhibitor, PCI-32765 (Cat. No. 229805, 25)  
Carbozantinib (Cat. No. 1935-5, 25)  
Cediranib (Cat. No. 1613-1, 5)  
Endostatin, human recombinant (Cat. No. 4759-20, 100, 100)  
GSK1904529A (Cat. No. 2286-5, 25)  
GW-786034 (Cat. No. 1916-5, 25)  
Motesanib (Cat. No. 2022-5, 25)  
SU 1498 (Cat. No. 1836-1, 5)  
Thiabendazole (Cat. No. 2161-1G)  
Tranilast (Cat. No. 1876-10, 50)  
SU 6668 (Cat. No. 1931-5, 25)  
Vandetanib (Cat. No. 1751-25, 100)  
Vatalanib, dihydrochloride (Cat. No. 2025-5, 25)  
Vatalanib, Free base (Cat. No. 2026-5, 25)

**USAGE:** FOR RESEARCH CH USE ONLY! Not to be used in humans