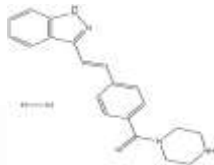


**PRODUCT: KW-2449 hydrochloride****ALTERNATE NAME:** [4-[2-(1H-Indazol-3-yl)ethenyl]phenyl]-1-piperazinylmethanone**CATALOG #:** B1208-5,25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>20</sub>H<sub>20</sub>N<sub>4</sub>O.HCl**MOLECULAR WEIGHT:** 368.86**CAS NUMBER:** 1000669-72-6**APPEARANCE:** Crystalline Solid**SOLUBILITY:** DMSO (>30 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.

**DESCRIPTION:** KW 2449 is a multikinase inhibitor of FLT3, ABL, ABL-T315I, and Aurora kinase. It displays potent inhibition of growth effects on leukemia cells with FLT3 mutations via inhibition of the FLT3 kinase. This leads in the down-regulation of phosphorylated-FLT3/STAT5, G1 arrest, and apoptosis. KW 2449 induces the reduction of phosphorylated histone H3, G2/M arrest, and apoptosis in FLT3 wild-type human leukemia.

**REFERENCES:** Shiotus, Y., *et al.* (2009). *Blood* **114**, 1607-1617.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

A 83-01 (Cat. No. 1725-1)  
 ABT-869 (Cat. No. 1615-1,5)  
 Axitinib (Cat. No. 1581-5, 25)  
 BIBW2992 (Cat. No. 1616-1,5)  
 BMS-599626 (Cat. No. 1614-1,5)  
 Bosutinib (Cat. No. 1584-5, 25)  
 Canertinib (Cat. No. 1617-5)  
 Cediranib (Cat. No. 1613-1,5)  
 CP-690550 (Cat. No. 1622-5,25)  
 Dasatinib (Cat. No. 1586-25, 100)  
 Emodin (Cat. No. 1875-25, 100)  
 Enzastaurin (LY317615)(Cat. No. 1619-1,5)  
 Erlotinib, Hydrochloride Salt (Cat. No. 1588-100,1000)  
 EZSolution™ Staurosporine (Cat. No. 1745-01)  
 Gefitinib (Cat. No. 1589-5,25)  
 Genistein (Cat. No. 1533-10, 100)  
 Go 6976 (Cat. No. 1711-500)  
 Imatinib Mesylate (Cat. No. 1625-100, 1000)  
 Lapatinib Ditosylate (Cat. No. 1624-25,100)  
 Nilotinib (Cat. No. 1750-25, 100)  
 PD 153035, Hydrochloride (Cat. No. 1656-2)  
 PD173074 (Cat. No. 1675-1)  
 Saracatinib (Cat. No. 1582-5, 25)  
 SB-431542 (Cat. No. 1674-1)  
 Sorafenib (Cat. No. 1594-5, 25)  
 Staurosporine (Cat. No. 1048-01,1)  
 Tamoxifen Citrate (Cat. No. 1551-1000)  
 SU 1498 (Cat. No. 1836-1,5)  
 SU-5402 (Cat. No. 1645-05)  
 Sunitinib Malate (Cat. No. 1611-100, 1000)  
 Tyrphostin AG 1295 (Cat. No. 1571-5)  
 Tyrphostin AG 490 (Cat. No. 1570-5)  
 Vandetanib (Cat. No. 1751-25, 100)

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