

**PRODUCT: Quizartinib**

ALTERNATE NAME: AC220; AC010220

CATALOG #: 2008-1,5

AMOUNT: 1 mg, 5 mg

STRUCTURE:

MOLECULAR FORMULA: C<sub>29</sub>H<sub>32</sub>N<sub>6</sub>O<sub>4</sub>S

MOLECULAR WEIGHT: 560.67

CAS NUMBER: 950769-58-1

APPEARANCE: Off-white solid

SOLUBILITY: DMSO (~200 mg/ml)

PURITY: ≥99% by HPLC

STORAGE: Store at -20 °C. Protect from light.

**DESCRIPTION:** Cell-permeable. A second generation FLT3 receptor tyrosine kinase inhibitor. Quizartinib displays high affinity for FLT3 in a binding assay (K<sub>d</sub> = 1.6 nM) and is a potent inhibitor in cellular autophosphorylation assays (IC<sub>50</sub> = 1.1 nM for FLT3-ITD and 4.2 nM for wt FLT3). It inhibits the growth of human leukemia cell line MV4-11 (IC<sub>50</sub> = 0.56 nM) which is FLT3 dependent and contains a homozygous FLT3-ITD mutation, and A375 cells (IC<sub>50</sub> > 10,000 nM) which are not FLT3 dependent and contain an activating mutation in BRAF.

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

**RELATED PRODUCTS:**

A83-01 (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)  
 Carbozantinib (Cat. No. 1935-5, 25)  
 Cediranib (Cat. No. 1613-1,5)  
 CP-690550 (Cat. No. 1622-5,25)  
 Crizotinib (Cat. No. 1934-5, 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)  
 Masitinib (Cat. No. 2007-5, 25)  
 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)  
 SU 6668 (Cat. No. 1931-5, 25)  
 SU 11274 (Cat. No. 1938-5, 25)  
 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