

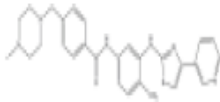
PRODUCT: Quizartinib

ALTERNATE NAME: AC220; AC010220

CATALOG #: 2008-1,5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₆H₂₂N₄O₄S

MOLECULAR WEIGHT: 560.67

CAS NUMBER: 950760-58-1

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 ($K_d = 1.6$ nM) and is a potent inhibitor in cellular autophosphorylation assays ($IC_{50} = 1.1$ nM for FLT3-ITD and 4.2 nM for wt FLT3). It inhibits the growth of human leukemia cell line MV4-11 ($IC_{50} = 0.56$ nM) which is FLT3 dependent and contains a homozygous FLT3-ITD mutation, and A375 cells ($IC_{50} > 10,000$ 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

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