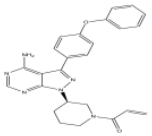
PRODUCT: BTK Inhibitor PCI-32765

ALTERNATE NAME: 2-propen-1-one, 1-((3R)-3-(4-amino-3-(4-phenoxyphenyl)-1h-pyrazolo(3,4-d)pyrimidin-1-yl)-1-piperidinyl)-; Ibrutinib; CRA-032765

CATALOG #: 2298-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE: 

MOLECULAR FORMULA: $C_{25}H_{24}N_6O_2$

MOLECULAR WEIGHT: 440.50

CAS NUMBER: 936563-96-1

APPEARANCE: White solid

SOLUBILITY: DMSO (>80 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: At -20° C. Protect from air and light

DESCRIPTION: A potent and highly selective small-molecule inhibitor of Bruton's tyrosine kinase (BTK) (IC_{50} = 0.5 nM) with potential antineoplastic activity. It.binds to and irreversibly inhibits BTK activity, thereby preventing both B-cell activation and B-cell-mediated signaling. This leads to an inhibition of the growth of malignant B cells that overexpress BTK.

REFRENCE: Honigberg, L.A., *et al.* (2010). *Proc. Natl. Acad. Sci. USA* **107,** 13075-13080.

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)**
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***

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