

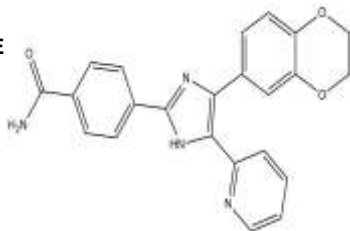
D4476

ALTERNATE NAME: 4-[4-(2,3-Dihydro-1,4-benzodioxin-6-yl)-5-(2-pyridinyl) -1H-imidazol-2-yl]benzamide

CATALOG #: 1770-1,5

AMOUNT: 1 mg, 5 mg

STRUCTURE



MOLECULAR FORMULA: C₂₃H₁₈N₄O₃

MOLECULAR WEIGHT: 398.41

CAS NUMBER: 301836-43-1

APPEARANCE: Off-white solid

SOLUBILITY: DMSO (100 mM)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C

DESCRIPTION: A cell-permeable, ATP-competitive inhibitor of casein kinase 1 (CK1) (IC₅₀ = 0.3 μM). Also inhibits ALK5 (IC₅₀ = 0.5 μM) and p38αMAP kinase (IC₅₀ = 12 μM). Displays selectivity over many other protein kinases.

REFERENCE: Rena, G., et al. (2004). *EMBO Rep.* **5**, 60-65.

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)
- BIO (Cat. No. 1673-1)
- BMS-599626 (Cat. No. 1614-1,5)
- Bosutinib (Cat. No. 1584-5, 25)
- Canertinib (Cat. No. 1617-5)
- Cediranib (Cat. No. 1613-1,5)
- CHIR99021 (Cat. No. 1677-5, 25)
- CP-690550 (Cat. No. 1622-5,25)
- Dasatinib (Cat. No. 1586-25, 100)
- Enzastaurin (LY317615)(Cat. No. 1619-1,5)
- Erlotinib, Hydrochloride Salt (Cat. No. 1588-100,1000)
- EZSolution™ CHIR99021 (Cat. No. 1748-5)
- EZSolution™ Staurosporine (Cat. No. 1745-01)
- Gefitinib (Cat. No. 1589-5,25)
- Genistein (Cat. No. 1533-10, 100)
- Go 6976 (Cat. No. 1711-500)
- GSK-3 Inhibitor, TWS119 (Cat. No. 1655-2)
- 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-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)

FOR RESEARCH USE ONLY! Not to be used on humans.