

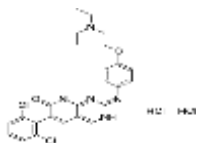
# PRODUCT: PD-166285 dihydrochloride

**ALTERNATE NAMES:** 6-(2,6-Dichlorophenyl)-2-[[4-[2-(diethylamino)ethoxy]phenyl]amino]-8-methylpyrido[2,3-d]pyrimidin-7(8H)-one dihydrochloride

**CATALOG NUMBER:** B2094-5,25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>26</sub>H<sub>27</sub>Cl<sub>2</sub>N<sub>5</sub>O<sub>2</sub>·2HCl

**MOLECULAR WEIGHT:** 612.37

**CAS NUMBER:** 212391-63-4

**APPEARANCE:** Yellow solid

**SOLUBILITY:** DMSO (>40 mg/ml)

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** PD-166285 is a potent, ATP-competitive and broadly active protein tyrosine kinase inhibitor. It inhibits tyrosine kinases c-Src, fibroblast growth factor receptor 1 (FGFR1), and platelet-derived growth factor receptor β (PDGFRβ) (IC<sub>50</sub> values are 8.4, 39.3 and 98.3 nM respectively). PD-166285 also displays inhibitory activity against mitogen-activated protein kinase (IC<sub>50</sub> = 5 μM) and protein kinase C (IC<sub>50</sub> = 22.7 μM).

**REFERENCE:** Panek, R.L., *et al.* (1997). *J. Pharmacol. Exp. Ther.* **283**, 1433-1444.

**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)  
 Brivanib (Cat. No. B1325-1,5)  
 Brivanib alaninate (Cat. No. B1326-1,5)  
 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 USE ONLY! Not to be used in humans**