

PD0166285 dihydrochloride

Chemical Properties

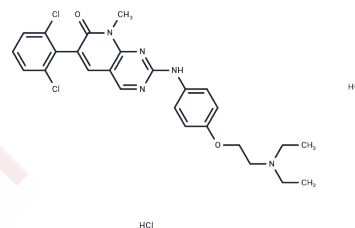
CAS No. : 212391-63-4

Formula: C₂₆H₂₉Cl₄N₅O₂

Molecular Weight: 585.35

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	PD-166285 is an effective and broadly active inhibitor of protein tyrosine kinase.
Targets(IC50)	Apoptosis,Others,Wee1

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7084 mL	8.5419 mL	17.0838 mL
5 mM	0.3417 mL	1.7084 mL	3.4168 mL
10 mM	0.1708 mL	0.8542 mL	1.7084 mL
50 mM	0.0342 mL	0.1708 mL	0.3417 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Leijen S, Beijnen JH, Schellens JH. Abrogation of the G2 checkpoint by inhibition of Wee-1 kinase results in sensitization of p53-deficient tumor cells to DNA-damaging agents. *Curr Clin Pharmacol*. 2010 Aug;5(3):186-91. Review. PubMed PMID: 20406171.
- Furet P, Caravatti G, Guagnano V, Lang M, Meyer T, Schoepfer J. Entry into a new class of protein kinase inhibitors by pseudo ring design. *Bioorg Med Chem Lett*. 2008 Feb 1;18(3):897-900. doi: 10.1016/j.bmcl.2007.12.041. Epub 2008 Jan 14. PubMed PMID: 18248988.
- Lavelle F. American Association for Cancer Research 1999: 10-14 April, Philadelphia, Pennsylvania. *Expert Opin Investig Drugs*. 1999 Jun;8(6):903-9. PubMed PMID: 15992139.
- Dimitroff CJ, Klohs W, Sharma A, Pera P, Driscoll D, Veith J, Steinkampf R, Schroeder M, Klutchko S, Sumlin A, Henderson B, Dougherty TJ, Bernacki RJ. Anti-angiogenic activity of selected receptor tyrosine kinase inhibitors, PD166285 and PD173074: implications for combination treatment with photodynamic therapy. *Invest New Drugs*. 1999;17(2):121-35. PubMed PMID: 10638483.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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