

PD-166285

Chemical Properties

CAS No.:	212391-63-4
Formula:	C ₂₆ H ₂₉ Cl ₄ N ₅ O ₂
Molecular Weight:	585.35
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	PD-166285 is an effective and broadly active inhibitor of protein tyrosine kinase.
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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	1.708 mL	8.542 mL	17.084 mL
5 mM	0.342 mL	1.708 mL	3.417 mL
10 mM	0.171 mL	0.854 mL	1.708 mL
50 mM	0.034 mL	0.171 mL	0.342 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.
2. 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.
3. 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.
4. 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.

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