

Product datasheet

PD0166285, Wee1/Myt1 kinase inhibitor ab219507

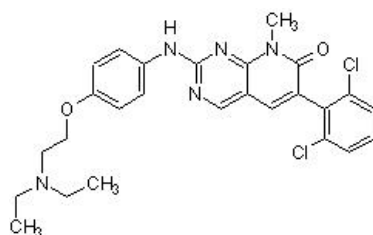
Overview

Product name	PD0166285, Wee1/Myt1 kinase inhibitor
Description	Potent Wee1/Myt1 kinase inhibitor
Biological description	Potent inhibitor of the checkpoint kinases Wee1 and Myt1 (IC ₅₀ values are 24 and 72 nM respectively); abolishes Cdc2 phosphorylation in numerous tumor cell lines and abrogates the G ₂ checkpoint. Also inhibits the tyrosine kinases c-Src, fibroblast growth factor receptor 1 (FGFR1), epidermal growth factor receptor (EGFR) and platelet-derived growth factor receptor β (PDGFRβ) (IC ₅₀ values are 8.4, 39.3, 87.5 and 98.3 nM respectively).

Purity > 99%

CAS Number 185039-89-8

Chemical structure



Properties

Chemical name	6-(2,6-Dichlorophenyl)-2-[[4-[2-(diethylamino)ethoxy]phenyl]amino]-8-methylpyrido[2,3- <i>d</i>]pyrimidin-7(8 <i>H</i>)-one
Molecular weight	512.43
Molecular formula	C ₂₆ H ₂₇ Cl ₂ N ₅ O ₂
PubChem identifier	5311382
Storage instructions	Store at -20°C. Store under desiccating conditions.
Solubility overview	Soluble in DMSO to 100 mM and in ethanol to 100 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions](#)

(FAQ) page for more details.

SMILES

CCN(CC)CCOC1=CC=C(C=C1)NC2=NC=C3C=C(C(=O)N(C3=N2)C)C4=C(C=CC=C4Cl)Cl

Source

Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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