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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC Handels GmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

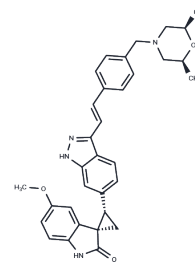
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Ocifisertib (CFI-400945 free base)

Chemical Properties

CAS No. :	1338806-73-7
Formula:	C33H34N4O3
Molecular Weight:	534.65
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	CFI-400945 is an potent, selective and orally active inhibitor of polo-like kinase 4(PLK4; Ki value of 0.26 nM).
Targets(IC50)	PLK
In vitro	CFI-400945, a potent and selective PLK4 inhibitor.?Cancer cells treated with CFI-400945 exhibit effects consistent with PLK4 kinase inhibition, including dysregulated centriole duplication, mitotic defects, and cell death[1].
In vivo	Oral administration of CFI-400945 to mice bearing human cancer xenografts results in the significant inhibition of tumor growth at doses that are well tolerated[1].

Solubility Information

Solubility	Ethanol: 100 mg/mL (187.04 mM), H2O: Insoluble, DMSO: 100 mg/mL (187.04 mM),Heating to 50°C is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8704 mL	9.3519 mL	18.7038 mL
5 mM	0.3741 mL	1.8704 mL	3.7408 mL
10 mM	0.187 mL	0.9352 mL	1.8704 mL
50 mM	0.0374 mL	0.187 mL	0.3741 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.

Reference

Mason J , Lin D C , Wei X , et al. Functional Characterization of CFI-400945, a Polo-like Kinase 4 Inhibitor, as a Potential Anticancer Agent[J]. Cancer Cell, 2014, 26(2).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481