



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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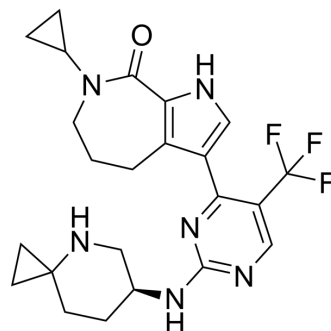
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## CDK7-IN-28

<b>Cat. No.:</b>	HY-158170
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>27</sub> F <sub>3</sub> N <sub>6</sub> O
<b>Molecular Weight:</b>	460.5
<b>Target:</b>	CDK
<b>Pathway:</b>	Cell Cycle/DNA Damage
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	CDK7-IN-28 (CDK7-1276) is a potent CDK7 inhibitor (IC <sub>50</sub> ≈ 5 nM). CDK7-IN-28 can inhibit proliferation of MDA-MB-468 cell line by blocking cell cycle and inhibiting DNA replication <sup>[1]</sup> .											
<b>IC<sub>50</sub> &amp; Target</b>	CDK7/Cyclin H/MNAT1 ≈ 5 nM (IC <sub>50</sub> )	cdk2/cyclin A 6224 nM (IC <sub>50</sub> )	CDK9/CyclinA 296 nM (IC <sub>50</sub> )	CDK13/Cyclin K 152 nM (IC <sub>50</sub> )								
<b>In Vitro</b>	<p>CDK7-IN-28 applies to MDA-MB-468 cells (IC<sub>50</sub> = 2 nM), HepaRG cells (IC<sub>50</sub> &lt; 10 nM), NAL-H82 (IC<sub>50</sub> &lt; 10 nM) has good antiproliferative activity<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Proliferation Assay</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Cell Line:</td> <td></td> </tr> <tr> <td>Concentration:</td> <td></td> </tr> <tr> <td>Incubation Time:</td> <td></td> </tr> <tr> <td>Result:</td> <td></td> </tr> </table>				Cell Line:		Concentration:		Incubation Time:		Result:	
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Result:												

### REFERENCES

[1]. Светлана Леонидовна ГОРБУНОВА, et al. Cyclin-dependent kinase 7 inhibitors. WO2024063670A1. 2023-09-04

**Caution: Product has not been fully validated for medical applications. For research use only.**

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