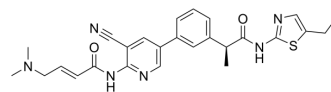


CDK7-IN-11

Cat. No.:	HY-145655
CAS No.:	2414896-32-3
Molecular Formula:	C ₂₆ H ₂₈ N ₆ O ₂ S
Molecular Weight:	488.6
Target:	CDK
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CDK7-IN-11 is an orally active CDK7 inhibitor. CDK7-IN-11 exhibits high CDK7 inhibitory activity with IC ₅₀ value of 4.2 nM. CDK7-IN-11 can be effectively used for the research of diseases associated with CDK7 ^[1] .								
IC₅₀ & Target	CDK7 4.2 nM (IC ₅₀)								
In Vitro	<p>CDK7-IN-11 (example 5) has inhibitory activity for CDK7 with IC₅₀ value of 4.2 nM^[1]. CDK7-IN-11 (72 h) inhibits cell proliferation in MDA-MB-468 cells and HepG2 cells with IC₅₀ values of 14.0 nM and 3.0 nM^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Proliferation Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>MDA-MB-468 cells, HepG2 cells</td> </tr> <tr> <td>Concentration:</td> <td></td> </tr> <tr> <td>Incubation Time:</td> <td>72 h</td> </tr> <tr> <td>Result:</td> <td>Showed antiproliferative effect in cells.</td> </tr> </table>	Cell Line:	MDA-MB-468 cells, HepG2 cells	Concentration:		Incubation Time:	72 h	Result:	Showed antiproliferative effect in cells.
Cell Line:	MDA-MB-468 cells, HepG2 cells								
Concentration:									
Incubation Time:	72 h								
Result:	Showed antiproliferative effect in cells.								

REFERENCES

[1]. Novel cdk7 inhibitory compound or pharmaceutically acceptable salt thereof. Patent. WO2021182914A1.

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

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