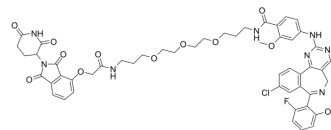


## dAURK-4

Cat. No.:	HY-137344
CAS No.:	2705844-81-9
Molecular Formula:	C <sub>52</sub> H <sub>52</sub> ClFN <sub>8</sub> O <sub>12</sub>
Molecular Weight:	1035.47
Target:	Aurora Kinase
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	dAURK-4, an Alisertib derivative, is a potent and selective AURKA (Aurora A) degrader. dAURK-4 has anticancer effects <sup>[1]</sup> .								
<b>IC<sub>50</sub> &amp; Target</b>	Aurora A								
<b>In Vitro</b>	<p>dAURK-4 (125-1000 nM; 4-24 hours) shows degradation of AURKA in a dose-dependent manner<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Viability Assay<sup>[1]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>MM.1S cells</td> </tr> <tr> <td>Concentration:</td> <td>125 nM, 250 nM, 500 nM, 1000 nM</td> </tr> <tr> <td>Incubation Time:</td> <td>4 hours or 24 hours</td> </tr> <tr> <td>Result:</td> <td>Inhibited the protein level of AURKA (Aurora A).</td> </tr> </table>	Cell Line:	MM.1S cells	Concentration:	125 nM, 250 nM, 500 nM, 1000 nM	Incubation Time:	4 hours or 24 hours	Result:	Inhibited the protein level of AURKA (Aurora A).
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Concentration:	125 nM, 250 nM, 500 nM, 1000 nM								
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Result:	Inhibited the protein level of AURKA (Aurora A).								

### REFERENCES

[1]. Katherine A Donovan, et al. Mapping the Degradable Kinome Provides a Resource for Expedited Degradation Development. Cell. 2020 Dec 10;183(6):1714-1731.e10.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA