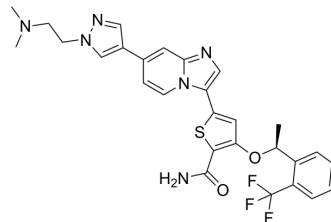


## Nek2-IN-4

Cat. No.:	HY-137046
CAS No.:	2225902-88-3
Molecular Formula:	C <sub>28</sub> H <sub>27</sub> F <sub>3</sub> N <sub>6</sub> O <sub>2</sub> S
Molecular Weight:	568.61
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Nek2-IN-4 is a potent NEK2 inhibitor with an IC <sub>50</sub> value of 15 nM. Nek2-IN-4 inhibits cell proliferation. Nek2-IN-4 has the potential for the research of pancreatic cancer <sup>[1]</sup> .								
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 15 nM (NEK2) <sup>[1]</sup>								
<b>In Vitro</b>	<p>Nek2-IN-4 (72 h) inhibits cell growth with IC<sub>50</sub>s of 0.064, 0.031, 0.161 μM for AsPC-1, PL45, MIA PaCa-2 cells, respectively<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Proliferation Assay<sup>[1]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>AsPC-1, PL45, MIA PaCa-2 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 activity with IC<sub>50</sub>s of 0.064, 0.031, 0.161 μM for AsPC-1, PL45, MIA PaCa-2 cells, respectively.</td> </tr> </table>	Cell Line:	AsPC-1, PL45, MIA PaCa-2 cells	Concentration:		Incubation Time:	72 h	Result:	Showed antiproliferative activity with IC <sub>50</sub> s of 0.064, 0.031, 0.161 μM for AsPC-1, PL45, MIA PaCa-2 cells, respectively.
Cell Line:	AsPC-1, PL45, MIA PaCa-2 cells								
Concentration:									
Incubation Time:	72 h								
Result:	Showed antiproliferative activity with IC <sub>50</sub> s of 0.064, 0.031, 0.161 μM for AsPC-1, PL45, MIA PaCa-2 cells, respectively.								

### REFERENCES

[1]. Hong-Yu Li, et al. Small molecule inhibitors of nek2 and uses thereof. WO2018081719A1.

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

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