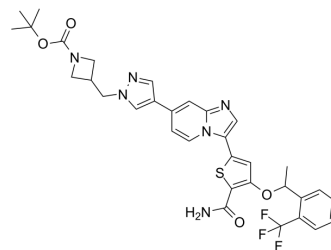


## Nek2-IN-6

Cat. No.:	HY-150046
CAS No.:	2410376-96-2
Molecular Formula:	C <sub>33</sub> H <sub>33</sub> F <sub>3</sub> N <sub>6</sub> O <sub>4</sub> S
Molecular Weight:	666.71
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-6 (Compound 28e) is a potent never in mitosis (NIMA) related kinase 2 (Nek2) inhibitor <sup>[1]</sup> .								
<b>IC<sub>50</sub> &amp; Target</b>	Nek2 <sup>[1]</sup>								
<b>In Vitro</b>	<p>Nek2-IN-6 (Compound 28e) (0-30 μM; 72 h) inhibits tumor cells proliferation<sup>[1]</sup>.  MCE has not independently confirmed the accuracy of these methods. They are for reference only.  Cell Proliferation Assay<sup>[1]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>MGC-803, Hep-3B, BEL-7402, HCT-116</td> </tr> <tr> <td>Concentration:</td> <td>0-30 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>72 h</td> </tr> <tr> <td>Result:</td> <td>Inhibited cell proliferation with IC<sub>50</sub>s of 0.038, 1.25, 10.44 and 0.48 μM against MGC-803, Hep-3B, BEL-7402 and HCT-116 cells, respectively.</td> </tr> </table>	Cell Line:	MGC-803, Hep-3B, BEL-7402, HCT-116	Concentration:	0-30 μM	Incubation Time:	72 h	Result:	Inhibited cell proliferation with IC <sub>50</sub> s of 0.038, 1.25, 10.44 and 0.48 μM against MGC-803, Hep-3B, BEL-7402 and HCT-116 cells, respectively.
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### REFERENCES

[1]. Wang H, et al. Design, synthesis, and structure activity relationship (SAR) studies of novel imidazo[1,2-a] pyridine derivatives as Nek2 inhibitors. Bioorg Med Chem. 2020 Dec 1;28(23):115775.

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

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