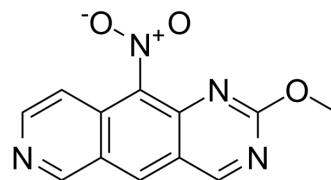


## Haspin-IN-2

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-146587   |
| CAS No.:           | 2768474-47-9  |
| Molecular Formula: | C <sub>12</sub> H <sub>8</sub> N <sub>4</sub> O <sub>3</sub>                              |
| Molecular Weight:  | 256.22  |
| Target:            | Haspin Kinase; CDK; DYRK  |
| Pathway:           | Cell Cycle/DNA Damage; Protein Tyrosine Kinase/RTK  |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                           |  |                                    |                                      |
|---------------------------|--|------------------------------------|--------------------------------------|
| Description               | Haspin-IN-2 (compound 4) is a potent and selective haspin inhibitor with an IC <sub>50</sub> of 50 nM. Haspin-IN-1 also inhibits CLK1 and DYRK1A with IC <sub>50</sub> s of 445 nM and 917 nM, respectively <sup>[1]</sup> . |                                    |                                      |
| IC <sub>50</sub> & Target | Haspin Kinase<br>50 nM (IC <sub>50</sub> )   | CLK1<br>445 nM (IC <sub>50</sub> ) | DYRK1A<br>917 nM (IC <sub>50</sub> ) |

### REFERENCES

[1]. Wael Zeinyeh, et al. Synthesis and biological evaluation of Haspin inhibitors: Kinase inhibitory potency and cellular activity. Eur J Med Chem. 2022 Jun 5;236:114369.

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

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