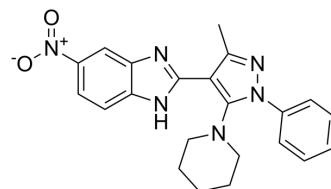


## SphK1-IN-1

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-143296   |
| Molecular Formula: | C <sub>22</sub> H <sub>22</sub> N <sub>6</sub> O <sub>2</sub>                             |
| Molecular Weight:  | 402.45  |
| Target:            | SphK  |
| Pathway:           | Immunology/Inflammation   |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                           |   |
|---------------------------|---|
| Description               | SphK1-IN-1 (compound 48) is a SphK1 inhibitor with effective antitumor activity. SphK1-IN-1 inhibits SphK1 ATPase with an IC <sub>50</sub> value of 4.02 μM. SphK1-IN-1 can be used for the research of cancer <sup>[1]</sup> . |
| IC <sub>50</sub> & Target | SphK1   |
| In Vitro                  | SphK1-IN-1 (0-25 μM) shows inhibitory effect to SphK1 ATPase with an IC <sub>50</sub> value of 4.02 μM <sup>[1]</sup> .<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only.      |

### REFERENCES

[1]. A. Galal, et al. Design and synthesis of new pyrazolylbenzimidazoles as sphingosine kinase-1 inhibitors. (2021) 1614–1634.

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

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