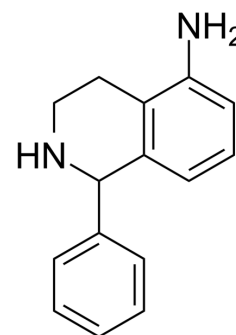


## GID4 Ligand 2

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-151476   |
| Molecular Formula: | C <sub>15</sub> H <sub>16</sub> N <sub>2</sub>  |
| Molecular Weight:  | 224.3   |
| Target:            | Ligands for Target Protein for PROTAC   |
| Pathway:           | PROTAC  |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                                     |  |  |            |                                     |                |       |                  |        |         |   |
|-------------------------------------|--|--|------------|-------------------------------------|----------------|-------|------------------|--------|---------|---|
| <b>Description</b>                  | GID4 Ligand 2 (compound 67) is a selective GID4 binder (IC <sub>50</sub> =18.9 μM; K <sub>d</sub> =17 μM). GID4 Ligand 2 can be used for the synthesis of PROTACs <sup>[1]</sup> .   |  |            |                                     |                |       |                  |        |         |   |
| <b>IC<sub>50</sub> &amp; Target</b> | IC <sub>50</sub> : 18.9 μM (GID4) <sup>[1]</sup> .   |  |            |                                     |                |       |                  |        |         |   |
| <b>In Vitro</b>                     | <p>GID4 Ligand 1 (50 μM; 10 min) binds GID4 in lysates of HEK293 cells<sup>[1]</sup>.<br/>         MCE has not independently confirmed the accuracy of these methods. They are for reference only.<br/>         Western Blot Analysis<sup>[1]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>HEK293 cells (expressing FLAG-GID4)</td> </tr> <tr> <td>Concentration:</td> <td>50 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>10 min</td> </tr> <tr> <td>Result:</td> <td>Produced a T<sub>m</sub> shift of 3.8°C.</td> </tr> </table> |  | Cell Line: | HEK293 cells (expressing FLAG-GID4) | Concentration: | 50 μM | Incubation Time: | 10 min | Result: | Produced a T <sub>m</sub> shift of 3.8°C. |
| Cell Line:                          | HEK293 cells (expressing FLAG-GID4)  |  |            |                                     |                |       |                  |        |         |   |
| Concentration:                      | 50 μM  |  |            |                                     |                |       |                  |        |         |   |
| Incubation Time:                    | 10 min   |  |            |                                     |                |       |                  |        |         |   |
| Result:                             | Produced a T <sub>m</sub> shift of 3.8°C.  |  |            |                                     |                |       |                  |        |         |   |

### REFERENCES

[1]. Chana CK, et al. Discovery and Structural Characterization of Small Molecule Binders of the Human CTLH E3 Ligase Subunit GID4. J Med Chem. 2022 Sep 18.

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

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