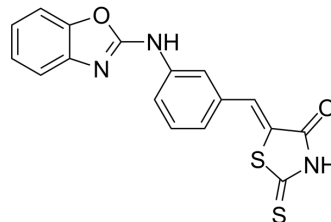


## $\alpha$ -Glucosidase-IN-2

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-115978   |
| CAS No.:           | 2699784-18-2  |
| Molecular Formula: | C <sub>17</sub> H <sub>11</sub> N <sub>3</sub> O <sub>2</sub> S <sub>2</sub>              |
| Molecular Weight:  | 353.42  |
| Target:            | Glucosidase   |
| Pathway:           | Metabolic Enzyme/Protease   |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

#### Description

$\alpha$ -Glucosidase-IN-2 (compound 5d) is a potent  $\alpha$ -Glucosidase inhibitor with an IC<sub>50</sub> of 9.48  $\mu$ M.  $\alpha$ -Glucosidase-IN-2 is an antidiabetic agent<sup>[1]</sup>.

### REFERENCES

[1]. Varinder Singh, et al. Benzoxazolyl linked benzylidene based rhodanine and analogs as novel antidiabetic agents: synthesis, molecular docking, and in vitro studies. Medicinal Chemistry Research volume 30, pages1905–1914 (2021).

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

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