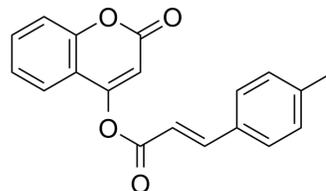


## $\alpha$ -Glucosidase-IN-4

Cat. No.:	HY-146305
CAS No.:	2410538-67-7
Molecular Formula:	C <sub>19</sub> H <sub>14</sub> O <sub>4</sub>
Molecular Weight:	306.31
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-4 is a reversible and mixed type $\alpha$ -glucosidase inhibitor with an IC <sub>50</sub> of 12.98 $\mu$ M, a K <sub>i</sub> of 27.02 $\mu$ M, and a K <sub>iS</sub> of 13.65 $\mu$ M, respectively <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 12.98 $\mu$ M ( $\alpha$ -glucosidase) <sup>[1]</sup> K <sub>i</sub> : 27.02 $\mu$ M ( $\alpha$ -glucosidase) <sup>[1]</sup> K <sub>iS</sub> : 13.65 $\mu$ M ( $\alpha$ -glucosidase) <sup>[1]</sup>

### REFERENCES

[1]. Xu XT, et al. Synthesis and biological evaluation of coumarin derivatives as  $\alpha$ -glucosidase inhibitors. Eur J Med Chem. 2020;189:112013.

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

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