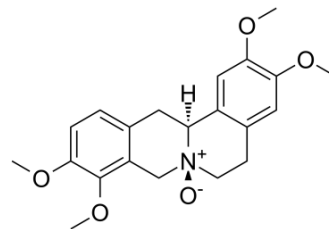


## (-)-Corynoxidine

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-N7010  |
| CAS No.:           | 57906-85-1  |
| Molecular Formula: | C <sub>21</sub> H <sub>25</sub> NO <sub>5</sub>                       |
| Molecular Weight:  | 371.43  |
| Target:            | AChE; Bacterial   |
| Pathway:           | Neuronal Signaling; Anti-infection                                    |
| Storage:           | Please store the product under the recommended conditions in the COA. |



### BIOLOGICAL ACTIVITY

**Description** (-)-Corynoxidine is an **acetylcholinesterase** inhibitor with an **IC<sub>50</sub>** value of 89.0 μM, isolated from the aerial parts of *Corydalis speciosa*<sup>[1]</sup>. (-)-Corynoxidine exhibits antibacterial activities against *Staphylococcus aureus* and methicillin-resistant *S. aureus* strains in different degrees<sup>[2]</sup>.

**IC<sub>50</sub> & Target** IC50: 89.0 μM (acetylcholinesterase)<sup>[1]</sup>

### REFERENCES

[1]. Kim DK, et al. Acetylcholinesterase inhibitors from the aerial parts of *Corydalis speciosa*. *Arch Pharm Res.* 2004 Nov;27(11):1127-31.

[2]. Yang DL, et al. A new antibacterial denitroaristolochic acid from the tubers of *Stephania succifera*. *J Asian Nat Prod Res.* 2013;15(3):315-8.

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

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