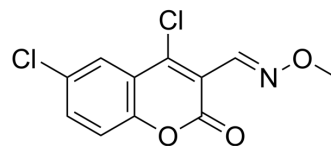


## Antibacterial agent 196

Cat. No.:	HY-163397
Molecular Formula:	C <sub>11</sub> H <sub>7</sub> Cl <sub>2</sub> NO <sub>3</sub>
Molecular Weight:	272.08
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Antibacterial agent 196 (compound 6b) is a coumarin derivative containing oxime ether structure, and shows antifungal activity, with the EC <sub>50</sub> of 0.46 µg/mL against <i>Rhizoctonia solani</i> [1].
In Vivo	Antibacterial agent 196 (compound 6b) (10 mg/mL) induces the sprawling growth of hyphae, distorted the outline of cell walls, and reduced mitochondrial numbers of <i>R. solani</i> hyphae [1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Dai P, et al. Design, Synthesis, Antifungal Activity, and 3D-QASR of Novel Oxime Ether-Containing Coumarin Derivatives as Potential Fungicides. *J Agric Food Chem.* 2024;72(11):5983-5992.

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

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