



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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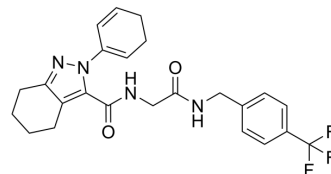
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Insecticidal agent 9

Cat. No.:	HY-158327
Molecular Formula:	C ₂₄ H ₂₅ F ₃ N ₄ O ₂
Molecular Weight:	458.48
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Insecticidal agent 9 (Compound I-17) is an insecticide with good insecticidal activity. Insecticidal agent 9 has LC₅₀ values of 93.32 mg/L and 114.79 mg/L against *Plutella xylostella* and *Ostrinia furnacalis* respectively, and exhibits a mortality rate of up to 86.1% against *Spodoptera frugiperda* at a concentration of 500 mg/L. Insecticidal agent 9 can act simultaneously on the ecdysone receptor (EcR) and three chitinases (OfChtI, OfChtII, and OfChi-h), demonstrating good binding activity (to EcR) and inhibitory rates (to the three chitinases). Insecticidal agent 9 can be used in research for pest management^[1].

REFERENCES

[1]. Guo B, et al. A Potential Multitarget Insect Growth Regulator Candidate: Design, Synthesis, and Biological Activity of Novel Acetamido Derivatives Containing Hexacyclic Pyrazole Carboxamides. *J Agric Food Chem.* 2024;72(18):10271-10281.

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

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