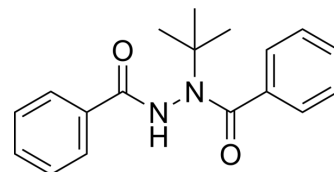


RH-5849

Cat. No.:	HY-118541
CAS No.:	112225-87-3
Molecular Formula:	C ₁₈ H ₂₀ N ₂ O ₂
Molecular Weight:	296.36
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	RH-5849 is an orally active agonist for non-steroidal ecdysteroid, which inhibits the larval growth of <i>Plodia interpunctella</i> in a dose-dependent manner. RH-5849 exhibits molting hormone activity ^[1] .
In Vitro	RH-5849 (0-100 μM, 3 days) inhibits proliferation of IAL-PID2 cells in a dose-dependent manner ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	RH-5849 (0-50 ppm, po for 17 days) induces molts and cuticle formation by wing discs, inhibits larval growth and results in death in a dose-dependent manner in <i>Plodia interpunctella</i> model ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Silhacek D L, et al., Action of RH 5849, a non-steroidal ecdysteroid mimic, on *Plodia interpunctella* (Hübner) in vivo and in vitro[J]. Archives of Insect Biochemistry and Physiology, 1990, 15(4): 201-212.

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

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