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产品名称：保幼激素 3；(Rac)-Juvenile hormone III

CAS 号：24198-95-6

产品货号：Y32035

生物活性：

Description

(Rac)-Juvenile hormone III 是一种天蚕保幼激素及保幼激素激动剂。(Rac)-Juvenile hormone III 可诱导受试昆虫在向成虫阶段的最后一次蜕皮后仍保留幼态特征。(Rac)-Juvenile hormone III 在黄粉虫蛹和乳草蝽末龄若虫中表现出保幼激素活性。(Rac)-Juvenile hormone III 在昆虫试验中具有形态发生活性。

In Vivo

(Rac)-Juvenile hormone III (IVa) (0.001-0.1 μg; 局部给药；单次) 在 0.1 μg 剂量下可使刚蜕皮的黄粉虫 (Tenebrio molitor) 蛹产生形态发生反应评分 2，而在 0.001 μg 和 0.01 μg 的低剂量下无反应[1]。

(Rac)-Juvenile hormone III (0.001-0.1 μg；经皮给药；单次) 在 0.1 μg 剂量下可诱导末龄 Oncopeltus fasciatus 若虫产生较弱的形态发生反应 (评分 0-1)，而在 0.001 μg 和 0.01 μg 的较低剂量下无反应[1].

Animal Model:	Tenebrio molitor L. (newly molted pupae)[1]
Dosage:	0.001 μg; 0.01 μg; 0.1 μg
Administration:	topical; single application
Result:	Showed no morphogenetic response (score 0) at 0.001 μg. Showed no morphogenetic response (score 0) at 0.01 μg. Induced a morphogenetic response score of 2 (corresponding to several well-developed gin traps or intermediate genitalia, or both) at 0.1 μg.
Animal Model:	Oncopeltus fasciatus (Dallas) (last-instar nymphs)[1]
Dosage:	0.001 μg; 0.01 μg; 0.1 μg
Administration:	topical; single application
Result:	Showed no morphogenetic response (score 0) at 0.001 μg. Showed no morphogenetic response (score 0) at 0.01 μg. Induced a weak morphogenetic response score of 0-1 (corresponding to essentially an adult with nymphal cuticle and coloration on the abdomen) at 0.1 μg.