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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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RS-18286

Cat. No.:	HY-P2110
CAS No.:	109458-76-6
Molecular Formula:	C ₇₄ H ₁₀₁ Cl ₂ N ₁₇ O ₁₄
Molecular Weight:	1523.61
Sequence:	Ac-{d-Phe<Cl>}-[d-Phe<Cl>]-[d-Trp]-Ser-Tyr-[d-Har<Et,Et>]-Leu-Arg-Pro-[d-Ala]
Sequence Shortening:	Ac-{d-Phe<Cl>}-[d-Phe<Cl>]-[d-Trp]-SY-[d-Har<Et,Et>]-LRP-[d-Ala]
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

RS-18286 is a potent LHRH antagonist studied for its effects on pituitary hormone secretion in sexually active rams. Injection of RS-18286 resulted in an immediate suppression of pulsatile LH secretion, accompanied by a decrease in testosterone levels, while FSH and PRL levels remained unchanged. The duration of LH suppression was dose-related, lasting approximately 4.3 to 31.8 hours for low to high doses, respectively. During the recovery phase, a compensatory increase in LH pulse frequency was observed, suggesting a response to diminished testosterone feedback. Even at the lowest dose, RS-18286 transiently reduced testosterone levels, demonstrating an effect on acute hypothalamic sensitivity to changes in hormonal feedback^[1].

REFERENCES

[1]. Lincoln GA, et al. Compensatory response of the luteinizing-hormone (LH)-releasing hormone (LHRH)/LH pulse generator after administration of a potent LHRH antagonist in the ram. *Endocrinology*. 1987 Jun;120(6):2245-50.

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

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