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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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JV-1-36 acetate

Cat. No.:	HY-P3397A	
Molecular Formula:	C ₁₇₂ H ₂₈₄ ClN ₅₃ O ₄₁ ·xC ₂ H ₄ O ₂	
Sequence:	{N-(2-phenylacetyl)}-Tyr-{d-Arg}-Asp-Ala-Ile-{4-Cl-Phe}-Thr-Asn-{Har}-{Tyr(Me)}-Arg-Lys-Val-Leu-{Abu}-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-{Nle}-{d-Arg}-{Har}-NH ₂	{N-(2-phenylacetyl)}-Tyr-{d-Arg}-Asp-Ala-Ile-{4-Cl-Phe}-Thr-Asn-{Har}-{Tyr(Me)}-Arg-Lys-Val-Leu-{Abu}-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-{Nle}-{d-Arg}-{Har}-NH ₂ (acetate salt)
Sequence Shortening:	{N-(2-phenylacetyl)}-Y-{d-Arg}-DAI-{4-Cl-Phe}-TN-{Har}-{Tyr(Me)}-RKVL-{Abu}-QLSARK LLQDI-{Nle}-{d-Arg}-{Har}-NH ₂	
Target:	Others	
Pathway:	Others	
Storage:	Sealed storage, away from moisture	
	Powder	-80°C 2 years -20°C 1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)	

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (Need ultrasonic)
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BIOLOGICAL ACTIVITY

Description	JV-1-36 acetate is a growth hormone-releasing hormone (GHRH) antagonist. JV-1-36 acetate inhibits the production of reactive oxygen species in A549 lung cancer cells. JV-1-36 can be used to study the effect of GHRH antagonists in vitro ^[1] .
IC₅₀ & Target	IC ₅₀ : growth hormone-releasing hormone (GHRH) ^[1] .
In Vitro	JV-1-36 (0.01-15 μM; 8 h) reduces cell viability in A549 cells at higher concentrations (5-15 μM), and (2-15 μM; 8 h) also decreases cell viability in Hela cells ^[1] . JV-1-36 (1 μM; 8 h) significantly reduces the production of ROS induced by H ₂ O ₂ (0.1 mM; 8 h) in A549 lung cancer cells, exerting antioxidant effects ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kubra KT, et al. Growth Hormone-Releasing Hormone Antagonist JV-1-36 Suppresses Reactive Oxygen Species Generation in A549 Lung Cancer Cells. *Endocrines*. 2022 Dec;3(4):813-820.

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

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