

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) |
|-----------------|--|

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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA