

Product Data Sheet

Product Name: JWP24 acetate

Cat. No.: GC79631

Chemical Properties

Cas. No.

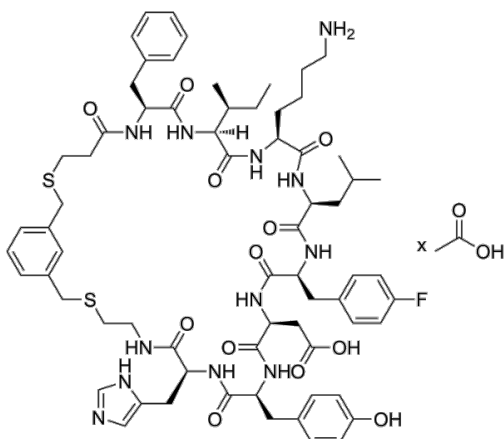
Formula $C_{68}H_{89}FN_{12}O_{12}S_2 \cdot xC_2H_4O_2$ M.Wt 1349.64

Solubility DMSO: 33.33 mg/mL (Need ultrasonic) Storage Sealed storage, away from moisture

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

JWP24 acetate is the first cell membrane-permeable peptide inhibitor of MAGE-A4, with an IC₅₀ of 200 nM against human MAGE-A4. JWP24 acetate binds to intracellular targets while retaining binding activity, disrupts the interaction between MAGE-A4 and RAD18, and does not induce

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

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cytotoxicity at effective concentrations. JWP24 acetate is applicable for cancer-related research [1].

In Vitro, JWP24 (0.005-80 μ M; 1.5 h) acetate potently disrupts the interaction between MAGE-A4 and RAD18 in HEK293 cells, with an IC_{50} of 0.5 μ M, and exhibits no cytotoxicity at effective concentrations^[1]. JWP24 (10 μ M; 2 h) acetate inhibits the interaction between MAGE-A4 and RAD18 in H1299 cell lysates^[1].

References:

[1]. Lim J, et al. Development of Next Generation Cell-Permeable Peptide Inhibitors for the Oncological Target MAGE-A4. J Med Chem. 2025;68(18):19377-19395.

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