Product Data Sheet

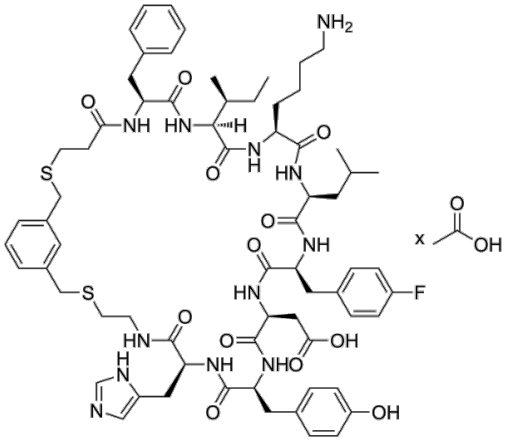
Product Name: JWP24 acetate
Cat. No.: GC79631

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 IC_{50} 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

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

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