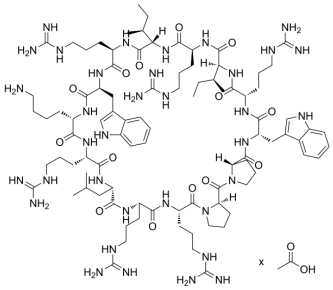
JB-95 acetate

Cat. No.:	HY-P5753A
Molecular Formula:	$C_{92}H_{151}N_{35}O_{14}.xC_2H_4O_2$
Sequence:	cyclo-(Trp-Arg-Ile-Arg-Ile-{d-Arg}-Trp-Lys-Arg-Leu-Arg-Arg-{d-Pro}-Pro)
Sequence Shortening:	cyclo-(WRIRI-{d-Arg}-WKRLRR-{d-Pro}-P)
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Sealed storage, away from moisture and light, under nitrogen Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	H_2O : ≥ 50 mg/mL * "≥" means soluble, but saturation unknown.

BIOLOGICAL ACTIVITY

Description	JB-95 acetate, a β-hairpin macrocyclic peptide, exhibits potent antimicrobial activity against Escherichia coli. JB-95 acetate can selectively disrupt the outer membrane but not the inner membrane of E. coli[1].

REFERENCES

[1]. Urfer M, et, al. A Peptidomimetic Antibiotic Targets Outer Membrane Proteins and Disrupts Selectively the Outer Membrane in Escherichia coli. J Biol Chem. 2016 Jan 22;291(4):1921-1932.

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