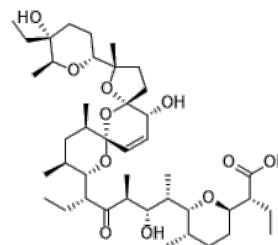


Product Name : Salinomycin
Cat. No. : PC-23010
CAS No. : 53003-10-4
Molecular Formula : C₄₂H₇₀O₁₁
Molecular Weight : 751.01
Target : Ferroptosis
Solubility : 10 mM in DMSO



Biological Activity

Salinomycin is a polyether ionophore antibacterial agent that shows effects on mitochondrial ion translocation and respiration, inhibits Wnt/ β -catenin signaling, blocks Wnt-induced LRP6 phosphorylation and induces ferroptosis in cancer cells.

Salinomycin sodium inhibits Wnt signaling and selectively induces apoptosis in chronic lymphocytic leukemia cells.

Salinomycin sodium induces ER stress-mediated autophagy and apoptosis through generation of ROS in human glioma U87MG cells.

References

Mitani M, et al. *Antimicrob Agents Chemother.* 1976 Apr;9(4):655-60.

Lu D, et al. *Proc Natl Acad Sci U S A.* 2011 Aug 9;108(32):13253-7.

Yu SN, et al. *Oncol Rep.* 2017 Jun;37(6):3321-3328.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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