

Product Name	: Salinomycin
Synonyms	: AHR 3096; AHR3096; AHR-3096; K 364; Salinomycin; BioCox; Sacox; Salocin; Coxistac
Cat No.	: M14878
CAS Number	: 53003-10-4
Molecular Formula	: CHO
Formula Weight	: 751.00
Chemical Name	: (R)-2-((2R,5S,6R)-6-((2S,3S,4S,6R)-6-((2S,5S,7R,9S,10S,12R,15R)-2-((2R,5R,6S)-5-ethyl-5-hydroxy-6-methyltetrahydro-2H-pyran-2-yl)-15-hydroxy-2,10,12-trimethyl-1,6,8-trioxadispiro[4.1.57.35]pentadec-13-en-9-yl)-3-hydroxy-4-methyl-5-oxooctan-2-yl)-5-methyltetrahydro-2H-pyran-2-yl)butanoic acid
Description	: Salinomycin is an inhibitor of Wnt/β-catenin signaling, which acts on the Wnt/Fzd/LRP complex. Salinomycin strongly suppresses Wnt1-stimulated reporter activity with an IC50 of 163 nM, and reduces β-catenin levels.
Pathway	: Wnt/Notch/Hedgehog
Target	: Wnt/beta/catenin
Receptor	: IC50: 163 nM (Wnt1-stimulated reporter)
Solubility	: DMSO: ≥ 36.7mg/mL In vivo: Add solvents to the product individually and in order: 10%DMSO+40%PEG300+5%Tween-80+45%saline (clear) ≥2mg/mL 10%DMSO+90%corn oil (clear) ≥2mg/mL
SMILES	: <chem>CC[C@@H](C(O)=O)[C@H]1CC[C@@H]([C@H]([C@H]([C@@H]([C@@H](C([C@@H]([C@H]2O[C@]3[C@@H](C[C@@H]2C)O[C@]4([C@@H](C=C3)O)CC[C@](O4)([C@H]5CC[C@](C)(C([C@@H](O5)C)O)C)C)O)O1)C</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Lu D, et al. Salinomycin inhibits Wnt signaling and selectively induces apoptosis in chronic lymphocytic leukemia cells. Proc natl Acad Sci U S A. 2011 Aug 9;108(32):13253-7. 2. Zhou J, et al. Salinomycin induces apoptosis in cisplatin-resistant colorectal cancer cells by accumulation of reactive oxygen species. Toxicol Lett. 2013 Oct 24;222(2):139-45.