www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

# Salinomycin

产品编号: D51477

CAS: 53003-10-4

分子式: C42H70O11

纯度: ≥98%

InChi: InChI=1S/C42H70O11/c1-11-29(38(46)47)31-15-14-23(4)36(50-31)27(8)34(44)26(7)35(45)30(12-2)37-24(5)22-25(6)41(51-37)19-16-32(43)42(53-41)21-20-39(10,52-42)33-17-18-40(48,13-3)28(9)49-33/h16,19,23-34,36-37,43-44,48H,11-15,17-18,20-22H2,1-10H3,(H,46,47)/t23-,24-,25+,26-,27-,28-,29+,30-,31+,32+,33+,34+,36+,37-,39-,40+,41-,42-/m0/s1

InChi Key: KQXDHUJYNAXLNZ-XQSDOZFQSA-N

Smiles: C[C@]1(CC[C@]2(O1)O[C@]1(C=C[C@H]2O)O[C@H]([C@@H](CC)C(=O)[C@@H](C)[C@@H](O)[C@H](C)[C@@H]2O[C@H](CC[C@@H]2C)[C@@H](CC)C(O)=O)[C@@H](C)C[C@H]1C)[C@H]1CC[C@](O)(CC)[C@H](C)O1

外观: 固体粉末

作用通路: Antibiotic

溶解性: Soluble in DMSO

保存条件: Store in dry, dark place for one year.

产品介绍: Salinomycin is an antibacterial and coccidiostat ionophore therapeutic drug. Salinomycin has been shown by Piyush Gupta et al. of the Massachusetts Institute of Technology and the Broad Institute to kill breast cancer stem cells in mice at least 100 times more effectively than the anti-cancer drug paclitaxel. The mechanism of action by which salinomycin kills cancer stem cells specifically remains unknown, but is thought to be due to its action as a potassium ionophore. Salinomycin could induce apoptosis of human cancer cells. Promising results from a few clinical pilote studies reveal that salinomycin is able to effectively eliminate CSCs and to induce partial clinical regression of heavily pretreated and therapy-resistant cancers.