

**PRODUCT: Salinomycin Sodium**

**ALTERNATE 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 sodium

**CATALOG #:** B1584-25, 100

**AMOUNT:** 25 mg, 100 mg

**STRUCTURE:**

**MOLECULAR FORMULA:** C<sub>42</sub>H<sub>69</sub>O<sub>11</sub>. Na

**MOLECULAR WEIGHT:** 772.98

**CAS NUMBER:** 55721-31-8

**APPEARANCE:** White to off-white solid

**SOLUBILITY:** DMSO (~5 mg/ml)

**POTENCY:** ≥850U/mg

**STORAGE:** Store at -20 °C. Protect from air and moisture

**DESCRIPTION:** Salinomycin is a polyether ionophore antibiotic that has recently been identified as an antitumor drug for several types of cancer stem cell (CSC) treatments. Salinomycin inhibits the migration and invasion of liver cancer stem cells (LCSCs) through the dephosphorylated FAK and ERK1/2 pathways.

**REFERENCES:** Sun, J., *et al.* (2017). *Toxicology* **384**, 1-10.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

A37 (**B1577**)

BRD7116 (**B1578**)

Galieallactone (**Cat. No. 2623-100, 500**)

ITE (**B1579**)

ML243 (**Cat. No. 2515-5,25**)

Cancer Cell Stemness Inhibitor, BBI608 (**Cat. No. 2476-5,25**)

Salinomycin Sodium (**B1584**)

SC-26196 (**B1580**)

Thiordazine Hydrochloride (**B1581**)

TY-52156 (**B1582**)

Verteporfin (**B1583**)

**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**