PRODUCT DATA SHEET

Salinomycin sodium

Code No.: BIA-S1540
Pack sizes: 5 mg, 25 mg

Synonyms: 

Specifications

CAS # : 55721-31-8
Molecular Formula : C_{42}H_{70}NaO_{11}
Molecular Weight : 774.0
Source : Streptomyces sp.
Appearance : White solid
Purity : >98% by HPLC
Long Term Storage : -20°C
Solubility : Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes
Salinomycin sodium is prepared from salinomycin taking advantage of the acidic carboxylic acid which ionises and readily forms the salt in sodium hydroxide solutions. The sodium salt is the preferred formulation in animals to prevent coccidiosis and to promote growth. Salinomycin has a high affinity for monovalent cations, particularly potassium. Recently, salinomycin has been shown to inhibit cancer stem cells.

References