Valinomycin

Specifications

CAS # : 2001-95-8
Molecular Formula : C₅₄H₃₀N₆O₁₈
Molecular Weight : 1111.3
Source : Streptomyces sp.
Appearance : White powder
Purity : >95% by HPLC
Long Term Storage : -20°C
Solubility : Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Valinomycin is a hydrophobic cyclodepsipeptide with potent antitumour activity. Valinomycin is a highly selective potassium ionophore and this action leads to a diverse range of profound cell membrane effects. More recently, valinomycin has found application as a biosensor to detect potassium efflux.

References