Product Name: Virginiamycin S1
Product Number: V014
CAS Number: 23152-29-6
Molecular Formula: C_{43}H_{49}N_{7}O_{10}
Molecular Weight: 823.9
Appearance: White solid
Storage Conditions: -20°C
Description: Virginiamycin S1 is one of a family of depsipeptide antibiotics co-produced with ostreogrycin A and used as a synergistic mixture. Virginiamycin S1, also known as Staphylomycin S and Factor S among other synonyms, was discovered independently and named by several groups, leading to considerable confusion in the literature. Virginiamycin S1 differs from virginiamycin B in lacking the dimethylamino moiety on the phenyl ring.

Virginiamycin S1 is soluble in ethanol, methanol, DMF and DMSO.

Mechanism of Action: Virginiamycin S1 acts as a synergist, binding to the conformational change of the peptidyl transferase centre of the 50S ribosome induced by ostreogrycin A.

References:


If you need any help, contact us: info@toku-e.com. Find more information on: www.toku-e.com/