PC-766B

Synonyms

Specifications

CAS # : 108375-77-5
Molecular Formula : C_{43}H_{68}O_{12}
Molecular Weight : 777.0
Source : Nocardia brasiliensis
Appearance : Light orange solid
Purity : >95% by HPLC
Long Term Storage : -20°C
Solubility : Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

PC-766B is a 16-membered macrolide antibiotic produced by Nocardia brasiliensis, reported by researchers at Sumitomo in 1993. Structurally, PC-766B is a member of bafilomycin class, featuring a rare butadiene side-chain.

PC-766B is active against Gram positive bacteria, and some fungi and yeasts, but is inactive against Gram negative bacteria. It shows antitumor activity against murine tumor cells in vitro and in vivo, and weak inhibitory activity against Na/K-ATPase in vitro.

References