Reveromycin A

PRODUCT DATA SHEET

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Product Name: Reveromycin A
Product Number: R022
CAS Number: 134615-37-5
Molecular Formula: C_{36}H_{52}O_{11}
Molecular Weight: 660.8
Appearance: Tan Lyophilisate
Storage Conditions: -20°C

Description: Reveromycin A, the dominant analogue of a complex of spiroketals isolated from a Streptomyces sp., is an inhibitor of the mitogenic activity of EGF. Reveromycin A displays antiproliferative behaviour against human cell lines KB and K562, as well as potent antifungal activity. More recently it has been shown to induce apoptosis in osteoclasts thus inhibiting bone resorption.

Reveromycin A is soluble in ethanol, methanol, DMF and DMSO.

Mechanism of Action: Reveromycin A is a G1 phase cell cycle inhibitor, selectively inhibiting isoleucyl-tRNA synthetase.

References:


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