

Borrelidin

Cat. No. CEI-0401

Lot. No. (See product label)

Introduction

Description A macrolide antibiotic isolated from *Streptomyces* sp. An antiangiogenic (IC₅₀ = 0.8 nM) agent. Bacterial and eukaryal threonyl-tRNA synthetase (THrRS) inhibitor. Induces the collapse of formed capillary tubes in a dose-dependent fashion. In HUVECs, the capillary tube collapsing activity is mediated by the activation of caspases-3 and -8 and induction of apoptosis. Also acts as a CDK inhibitor.

Synonyms Treponemycin; U 78548; C2989

Product Information

Appearance White to off-white solid

CAS No. 7184-60-3

Molecular Formula C₂₈ H₄₃ NO₆

Molecular Weight 274.18

Purity >99%

Targets Angiogenesis

Solubility DMSO (~ 5 mg/ml)

Storage and Shipping Information

Storage -20 centigrade

Shipping Conditions Gel pack