Creative Enzymes®

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	C 28 H 43 NO 6
Molecular Weight	274.18
Purity	>99%
Targets	Angiogenesis
Solubility	DMSO (~ 5 mg/ml)

Storage and Shipping Information

Storage	-20 centigrade
Shipping Conditions	Gel pack