

## Borrelidin

Cat. No. CEI-0401

Lot. No. (See product label)

### Introduction

**Description** A macrolide antibiotic isolated from *Streptomyces* sp. An antiangiogenic (IC<sub>50</sub> = 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<sub>28</sub> H<sub>43</sub> NO<sub>6</sub>

**Molecular Weight** 274.18

**Purity** >99%

**Targets** Angiogenesis

**Solubility** DMSO (~ 5 mg/ml)

### Storage and Shipping Information

**Storage** -20 centigrade

**Shipping Conditions** Gel pack