

Atpenin A5 (Synthetic)

Cat. No. CEI-0572

Lot. No. (See product label)

Introduction

Description Synthetic. Originally isolated from *Penicillium* sp. strain. An antibiotic and antifungal agent. Potent and specific mitochondrial complex II (succinate-ubiquinone oxidoreductase) inhibitor and mitochondrial ATP-sensitive potassium (mK(ATP)) channel activator. Modulates mitochondrial ROS generation during cardioprotection.

Product Information

Appearance Crystalline solid

CAS No. 119509-24-9

Molecular Formula C 15 H 21 Cl 2 NO 5

Chemical Name 3-[(2S,4S,5R)-5,6-Dichloro-2,4-dimethyl-1-oxohexyl]-4-hydroxy-5,6-dimethoxy-2(1H)-pyridinone

Molecular Weight 667.72

Purity >99%

Targets mitochondrial complex I

Solubility H₂O

Storage and Shipping Information

Storage -20 centigrade

Shipping Conditions RT