

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	H ₂ O

Storage and Shipping Information

Storage	-20 centigrade
Shipping Conditions	RT