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Product Datasheet

Ascochlorin FBM-10-5296

Article Name	Ascochlorin
Biozol Catalog Number	FBM-10-5296
Supplier Catalog Number	10-5296
Alternative Catalog Number	FBM-10-5296-100UG,FBM-10-5296-500UG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Mitochondrial cytochrome bc1 complex inhibitor...
Molecular Weight	404.93
Purity	>98% by HPLC NMR (Conforms)
Form	Off-white solid
CAS Number	[26166-39-2]
Formula	C ₂₃ H ₂₉ ClO ₄
Application Notes	Ascochlorin is a novel isoprenoid phenol isolated from <i>Acremonium</i> <i>egyptiacum</i> and other species. ¹ It is a novel, specific inhibitor of the mitochondrial cytochrome bc1 complex (mitochondrial respiratory chain complex III) acting at both active sites. ² It induces caspase-independent necroptosis in LPS-stimulated RAW 264.7 macrophages ³ resulting in anti-inflammatory effects ⁴ . Demonstrates substantial antineoplastic effects in a variety of tumor cell lines and mouse models. ⁵