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Product Datasheet

Piericidin A, CAS [[2738-64-9]] FBM-10-3467

Article Name	Piericidin A, CAS [[2738-64-9]]
Biozol Catalog Number	FBM-10-3467
Supplier Catalog Number	10-3467
Alternative Catalog Number	FBM-10-3467-200UG, FBM-10-3467-1MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Mitochondrial complex I inhibitor...
Molecular Weight	415.57
Purity	94% by HPLC NMR (Conforms)
Form	Yellow solid
CAS Number	[2738-64-9]
Formula	C ₂₅ H ₃₇ NO ₄
Application Notes	A potent inhibitor of the mitochondrial and bacterial type I NADH-ubiquinone oxidoreductase (complex I). ¹ Piericidin A is a ubiquinone analog which binds to the ubiquinone binding site of the enzyme. ² It is an extremely useful tool for exploring the role of complex I in mitochondrial function in both normal and pathophysiology. ³⁻⁵ Prevents upregulation of GRP78 and induces cell death in glucose-deprived, etoposide-resistant HT-29 cells (IC ₅₀ =7.7 nM). ⁶