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Product Datasheet

Rotenone, CAS [[83-79-4]]

FBM-10-2277

Article Name	Rotenone, CAS [[83-79-4]]
Biozol Catalog Number	FBM-10-2277
Supplier Catalog Number	10-2277
Alternative Catalog Number	FBM-10-2277-50MG, FBM-10-2277-1G
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Mitochondrial Complex I Inhibitor...
Molecular Weight	394.42
Purity	>98% by HPLC, NMR (Conforms)
Form	Off-white solid
CAS Number	[83-79-4]
Formula	C ₂₃ H ₂₂ O ₆
Application Notes	Rotenone (83-79-4), the most common member of the rotenoid natural product family, inhibits complex I of the mitochondrial electron transport chain (IC ₅₀ = 1.7 - 2.2 μM). ¹ Also inhibits NADH oxidation by cardiac sarcoplasmic reticulum (IC ₅₀ = 3.4 nM). ² May be used to induce Parkinsonism in animal models. ^{3,4} Inhibits autophagy by blocking lysosomal degradation of autophagic vacuoles. ⁵