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Product Datasheet

TTFA FBM-10-4565

Article Name	TTFA
Biozol Catalog Number	FBM-10-4565
Supplier Catalog Number	10-4565
Alternative Catalog Number	FBM-10-4565-100MG,FBM-10-4565-500MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Mitochondrial Complex II inhibitor...
Molecular Weight	222.18
Purity	>98%, NMR (Conforms)
Form	Pale yellow solid
CAS Number	[326-91-0]
Formula	C ₈ H ₅ F ₃ O ₂ S
Application Notes	TTFA blocks the respiratory chain complex II causing inhibition of mitochondrial respiration. Respiratory chain complex II inhibition is caused via binding of TTFA to two ubiquinone binding sites, Qp and Qd.1 Inhibition of Complex II by TFA has been shown to cause a delay in overall cell cycle progression leading to oxidative stress.2,3 TTFA also was found to inhibit porcine liver carboxylesterase (IC50 = 0.54 μM).4