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Product Datasheet

JC-1 FBM-10-1634

Article Name	JC-1
Biozol Catalog Number	FBM-10-1634
Supplier Catalog Number	10-1634
Alternative Catalog Number	FBM-10-1634-1MG,FBM-10-1634-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Mitochondrial membrane potential probe...
Molecular Weight	652.23
Purity	98% by HPLC, NMR (Conforms)
Form	Brown solid
CAS Number	[3520-43-2]
Formula	C ₂₅ H ₂₇ Cl ₄ N ₄
Application Notes	Dual emission, potential-sensitive, carbocyanine probe which can be used to measure mitochondrial membrane potential. When excited at 490 nm the monomer exhibits an emission maximum at 527 nm and J-aggregates at 590 nm. ^{1,2} JC-1 changes color reversibly from green to red with increasing mitochondrial membrane potential. ³ May be used for isolation of live cells expressing high multidrug resistance transport activity. ⁴ A widely used probe for determination of mitchondrial membrane potential. ⁵