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## Product Datasheet

### JC-1, CAS [[3520-43-2]]

### FBM-10-1634

Article Name	JC-1, CAS [[3520-43-2]]
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 <sub>25</sub> H <sub>27</sub> Cl <sub>4</sub> IN <sub>4</sub>
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. <sup>1,2</sup> JC-1 changes color reversibly from green to red with increasing mitochondrial membrane potential. <sup>3</sup> May be used for isolation of live cells expressing high multidrug resistance transport activity. <sup>4</sup> A widely used probe for determination of mitochondrial membrane potential. <sup>5</sup>