

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB0791	
Compound name	JC-1	
Chemical name	5,5',6,6'-Tetrachloro-1,1',3,3'-tetraethylbenzimidazolylcarbocyanine iodide	
Batch number	E2202-1-1	
Batch molecular formula	C ₂₅ H ₂₇ Cl ₄ N ₄	
Batch molecular weight	652.23	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >95% purity	Meets specification: 98.0%
NMR	1H and 13C NMRs in consistent with structure	Meets specification
Physical appearance	Red solid	Meets specification: Red solid
Solubility	Soluble in DMSO, and in ethanol	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

22/02/2023

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.