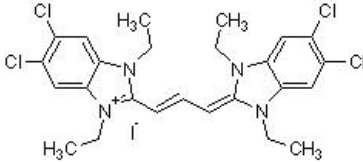


JC-1, Mitochondrial membrane potential dye ab141387

[17 References](#) [1 Image](#)

Overview

Product name	JC-1, Mitochondrial membrane potential dye
Description	Mitochondrial membrane-potential dye
Purity	> 95%
CAS Number	3520-43-2
Chemical structure	

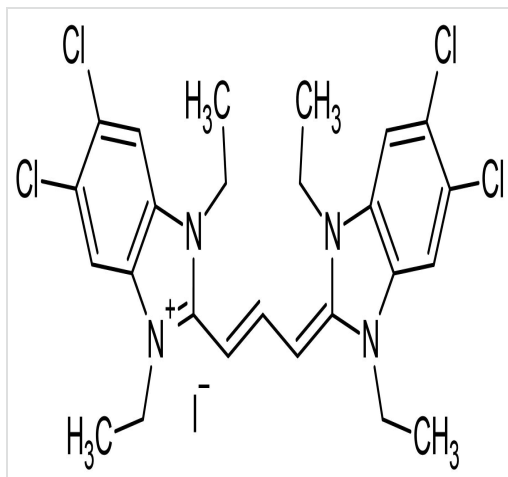
Properties

Excitation	519nm
Emission	590nm
Chemical name	5,6-Dichloro-2-[(<i>E</i>)-3-(5,6-dichloro-1,3-diethyl-1,3-dihydro-2 <i>H</i> -benzimidazol-2-ylidene)-1-prop-1-enyl]-1,3-diethyl-1 <i>H</i> -benzimidazolium iodide
Molecular weight	652.23
PubChem identifier	5492929
Storage instructions	Shipped at 4°C. Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 25 mM
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	<chem>CCN1C2=CC(=C(C=C2[N+](=C1C=CC=C3N(C4=CC(=C(C=C4N3CC)Cl)Cl)CC)CC)Cl)Cl.[I-]</chem>

Source

Synthetic

Images



2D chemical structure image of ab141387, JC-1, Mitochondrial membrane potential dye

Chemical Structure - JC-1, Mitochondrial membrane potential dye (ab141387)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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