

# Product Datasheet

## JC-1 mitochondrial membrane potential dependent fluorescent dye NBP2-62754-1mg

Unit Size: 1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-62754](http://www.novusbio.com/NBP2-62754)

Updated 10/23/2024 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-62754](http://www.novusbio.com/reviews/destination/NBP2-62754)



**NBP2-62754-1mg**

JC-1 mitochondrial membrane potential dependent fluorescent dye

**Product Information**

<b>Unit Size</b>	1 mg
<b>Concentration</b>	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

**Product Description**

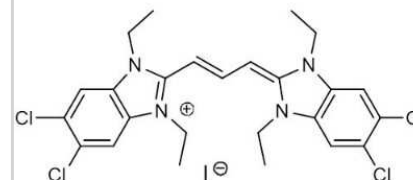
<b>Description</b>	Mitochondrial membrane potential dependent fluorescent dye <b>Purity:</b> >98% (HPLC); NMR (conforms) <b>CAS No.:</b> 3520-43-2 <b>Molecular Formula</b> C <sub>25</sub> H <sub>27</sub> Cl <sub>4</sub> N <sub>4</sub> <b>Molecular Weight:</b> 652.2 <b>Source:</b> Synthetic <b>Appearance:</b> Red powder <b>PubChem ID:</b> 5492929
--------------------	---

**Product Application Details**

<b>Applications</b>	Adhesion Blockade, Product Image
<b>Recommended Dilutions</b>	Adhesion Blockade, Product Image
<b>Application Notes</b>	Red powder. May be dissolved in water (50 mg/mL); DMSO (15 mg/mL).

**Images**

Product Image: JC-1 mitochondrial membrane potential dependent fluorescent dye [NBP2-62754] - Chemical structure of JC-1 (NBP2-62754), a Mitochondrial membrane potential dependent fluorescent dye. Molecular Formula: C<sub>25</sub>H<sub>27</sub>Cl<sub>4</sub>N<sub>4</sub>. Molecular Weight: 652.2 g/mol.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Support products are guaranteed for 6 months from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-62754](http://www.novusbio.com/reviews/submit/NBP2-62754)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

