

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)

Email USA: [techserv@sial.com](mailto:techserv@sial.com)

Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

**Product Specification**

Product Name:

3,3'-Diethylthiadicarbocyanine iodide Dye content 98 %

Product Number:

**173754**

CAS Number:

514-73-8

MDL:

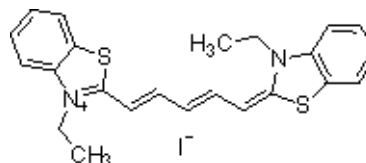
MFCD00074829

Formula:

C<sub>23</sub>H<sub>23</sub>IN<sub>2</sub>S<sub>2</sub>

Formula Weight:

518.48 g/mol



**TEST**

**Specification**

Appearance (Color)  
Dark Green, Brown or Black

Conforms to Requirements

Appearance (Form)  
Powder or Crystals

Conforms to Requirements

Infrared spectrum

Conforms to Structure

Carbon

51.9- 54.6 %

Nitrogen

5.2- 5.6 %

Purity (HPLC)\*

≥97.5 %

**Remarks:**

Specification Date : 06/22/2010

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.