



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

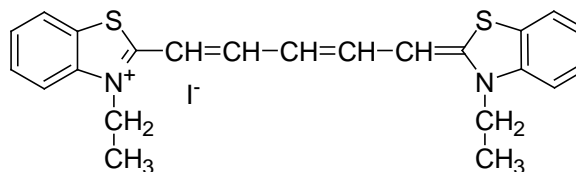
F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: DiSC₂(5) (3,3'-diethylthiadicyanocyanine, iodide)**CATALOG #** 40041**MOLECULAR INFORMATION:** C₂₃H₂₃IN₂S₂
MWt: 518.48
[514-73-8]**PROPERTIES:**

Color & Form Dark green solid
Purity ≥ 95% by TLC
Solubility Soluble in DMSO or MeOH
Absorption 651nm (MeOH)
Extinction Coefficient

STORAGE AND HANDLING:

Stored desiccated at 4 °C. Protect from light, especially when in solution.

APPLICATION:DiSC₂(5) binds to DNA-DNA or PNA-DNA duplexes with a large blue-shift of the absorption spectrum. Binding of the dye to PNA-DNA hybrid, in particular, blue-shifts the dye absorption spectrum by as much as 115 nm, offering a visual method to detect nucleic acid hybridization.^{1,2}Ref.: 1) *Nucleic Acid Res.* **30**(2), 3(2002); 2) *J. Am. Chem. Soc.* **121**, 2686(1999)**TOXICITY:**

Unknown

FIRST AID:

Potentially harmful. Avoid prolonged or repeated exposure. Avoid getting in eyes, on skin, or on clothing. Wash thoroughly after handling. If eye or skin contact occurs, wash affected areas with plenty of water for 15 minutes and seek medical advice. In case of inhaling or swallowing, move individual to fresh air and seek medical advice immediately.

Disclaimer: Materials from Biotium are sold for research use only, and are not intended for food, drug, household, or cosmetic use. Biotium is not liable for any damage resulting from handling or contact with this product.