

## **Dil Stain**

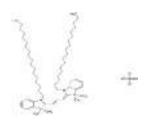
ALTERNATE NAME: Dil

DilC18(3)

1,1'-Dioctadecyl-3,3,3',3'-Tetramethylindocarbocyanine Perchlorate

**CATALOG #:**B2742-50 50 mg
B2742-250 250 mg

STRUCTURE:



**MOLECULAR FORMULA:**  $C_{59}H_{97}CIN_2O_4$ 

MOLECULAR WEIGHT: 933.87

**CAS NUMBER:** 41085-99-8

APPEARANCE: Burgundy to purple solid

**PURITY:** ≥98% by TLC

**SOLUBILITY:** ~ 1-2.5 mg/ml DMSO or DMF

**DESCRIPTION:** Dil is a widely used lipophilic, carbocyanine membrane dye that labels cell membranes by inserting its

two long (C18 carbon) hydrocarbon chains into the lipid bilayer. This dye is used primarily for optical recordings of membrane voltage and for studies of membrane fluidity. Displays intense, long-lasting

staining of live neurons in vivo and in vitro. Ex.: 550 nm; Em: 564 nm

**STORAGE TEMPERATURE:** -20°C. Protect from light

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of

exposure.

**RELATED PRODUCTS:** 

ER-Hunt Green (9548) bisBenzimide H 33258 (2178) DAPI (B1098) bisBenzimide H 33342 (2179) ER-Hunt Red (9549)

DISCLAIMER: FOR RESEARCH USE ONLY! Not to be used on humans.