

Dil Stain

ALTERNATE NAME: Dil
DilC18(3)
1,1'-Dioctadecyl-3,3',3'-Tetramethylindocarbocyanine Perchlorate

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

STRUCTURE:



MOLECULAR FORMULA: $C_{59}H_{97}ClN_2O_4$

MOLECULAR WEIGHT: 933.87

CAS NUMBER: 41085-99-8

APPEARANCE: Burgundy to purple solid

PURITY: $\geq 98\%$ 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.*