

DOPC/CHOL Liposomes labeled with DiO (100nm)

Code No. : F60203F-DO

Size : 1 ml & 5 ml

Product Description

DOPC/CHOL Liposomes labeled with Dil (100nm)

The fluorescent control liposomes contain the green lipophilic dye DiO incorporated in the bilayers. It is used for tracking the cellular uptake of the liposomes by common methods like confocal, FACS, etc.

The green fluorescent, lipophilic carbocyanine DiOC18(3) is widely used as a lipophilic tracer. It is weakly fluorescent in water but highly fluorescent and quite photostable when incorporated into membranes. It has an extremely high extinction coefficient and short excited-state lifetimes (~1 nanosecond) in lipid environments.

Specifications

Lipid composition: DOPC/CHOL/mPEG2000-DSPE (54:45:5 mol/mol)

Lipid concentration: 50 mM (50-55 mM)

Mean particle size: 100 nm (85-110 nm)

Hydration buffer: 10% sucrose, 20mM HEPES, pH 7.3 ± 0.2

Dye: 0.5mM (0.44 mg/mL)

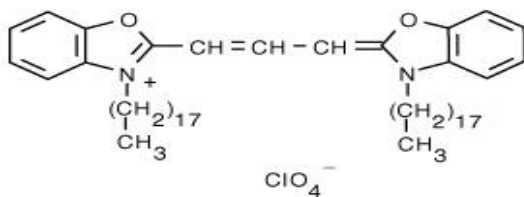
stability: 6 months for unopened vials

Storage: 2 - 8 degree C

'DiO': DiOC18(3) (3,3'-Dioctadecyloxycarbocyanine Perchlorate)

Ex/Em: 484/501nm

CAS Name/Number: 34215-57-1



DOPC: 1,2-dioleoyl-sn-glycero-3-phosphocholine

CHOL: cholesterol

mPEG2000-DSPE: 18:0 PEG2000 PE:1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[methoxy (polyethylene glycol)-2000] (ammonium salt)

제조원 : FormuMax Scientific Inc. (U.S.A)



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