

DOPC/CHOL Liposomes labeled with DiD (100nm)

Code No. : F60103F-DD

Size : 1 ml & 5 ml

Product Description

DOPC/CHOL Liposomes labeled with DiD (100nm)

The fluorescent control liposomes contain the lipophilic dye DiD incorporated in the bilayers. It is used for tracking the cellular uptake of the liposomes by common methods like confocal, FACS, etc. The far-red fluorescent, lipophilic carbocyanine DiD is a longer-wavelength DiI analog. It is an oil at room temperature and 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 (54:45 mol/mol)

Lipid concentration: 50 mM (50-55 mM)

Mean particle size: 100 nm (90-120 nm)

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

DiA: 0.5mM (0.39mg/mL)

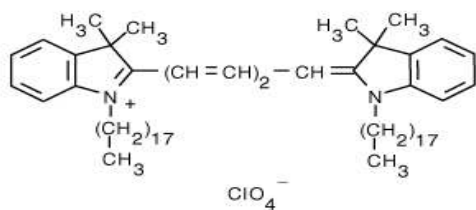
Stability: 6 months for unopened vials

Storage: in refrigerator (2 - 8 degree C)

'DiD': DiI18(5) oil (1,1'-Dioctadecyl-3,3,3',3'-Tetramethylindodicarbocyanine Perchlorate)

Ex/Em: 644/665nm

CAS Name/Number: 127274-91-3



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

CHOL: cholesterol

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