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Synthesis and characterization of a novel rhodamine labeled cholesterol reporter

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**Synthesis and characterization of a novel rhodamine labeled cholesterol reporter**

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**Abbreviations:**

ACAT, acyl-coenzyme A:cholesterol acyl transferase

DChol, 6-dansyl-cholestanol

RChol, 6-rhodamine-cholestanol

BChol, Bodipy cholesterol (= TopFluo Cholesterol)

BODIPY, boron dipyrro methane

BSA, bovine serum albumin

DOPC, 1,2-Dioleoyl-sn-glycero-3-phosphocholine

GUV, giant unilamellar vesicle

HDL, high-density lipoprotein

LDL, low-density lipoproteins

LPDS, lipoprotein deficient serum

M $\beta$ CD, methyl- $\beta$ -cyclodextrin

NBD, 7-nitrobenz-2-oxa-1,3-diazol-4-yl

NPC, Niemann-Pick type C

PVA, polyvinyl alcohol

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