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Acylation of the S4₁₃-PV cell-penetrating peptide as a means of enhancing its capacity to mediate nucleic acid delivery: relevance of peptide/lipid interactions

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Abbreviations: DPH, 1,6-diphenyl-1,3,5-hexatriene; DOPE, 1,2-dioleoyl-*sn*-glycero-3-phosphoethanolamine; DOPC, 1,2-dioleoyl-*sn*-glycero-3-phosphocholine; DPPC, 1,2-dipalmitoyl-*sn*-glycero-3-phosphocholine; DPPG, 1,2-dipalmitoyl-*sn*-glycero-3-phospho-(1'-*rac*-glycerol); MLVs, multilamellar vesicles; DSC, differential scanning calorimetry; ³¹P-NMR, phosphorus-31 nuclear magnetic resonance; GBM, glioblastoma; CPP, cell-penetrating peptide; siRNA, small interfering RNA; GFP, green fluorescent protein.

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