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DESIGN AND SYNTHESES OF MONO AND MULTIVALENT MANNOSYL-LIPOCONJUGATES FOR TARGETED LIPOSOMAL DRUG DELIVERY

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Boc, *t*-butyloxycarbonyl; Boc-Lys(Boc)-Osu, N_{α},N_{ε}-di-Boc-L-lysine hydroxysuccinimide ester; BSA, bovine serum albumin; Cbz , carboxybenzyl; CLRs, C-type lectin receptors; CRD, carbohydrate-recognition domain; Con A, Concanavaline A; DBU, 1,8-diazabicyclo[5.4.0]undec-7-ene; DCs, dendritic cells; DCM, dichloromethane; DLS, dynamic light scattering; DMF, *N*,*N*-dimethylformamide; DSPE, distearoyl phosphatidylcholine; EDC · HCl, 1-(3-dimethylaminopropyl)-3-ethylcarbodiimide hydrochloride; Fmoc, 9-fluorenylmethyloxycarbonyl; HEPES, 2-[4-(2-hydroxyethyl)piperazin-1-yl]ethanesulfonic acid; HOBt, *N*-Hydroxybenzotriazole; HRMS, high resolution mass spectrometry; HPLC, high performance liquid chromatography; MR, mannose receptors; NLRs, NOD-like receptors; OD, optical density; PEG, poly(ethylene glycol); PRR, pathogen recognition receptors; QCM, quartz crystal microbalance; RLRs, RIG-I-like receptors; SAM, self-assembled monolayer; sulfo-NHS, *N*-hydroxysulfosuccinimide; TFA, trifluoroacetic acid; TLC, thin layer chromatography; TLRs, Toll-like receptors.

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