Supporting Information

Potential of Ni(II)-NTA modified Poly(ethylene imine) Glycopolymers as Carrier System for Future Dendritic Cell-based Immunotherapy

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1. Synthesis of NTA-DG

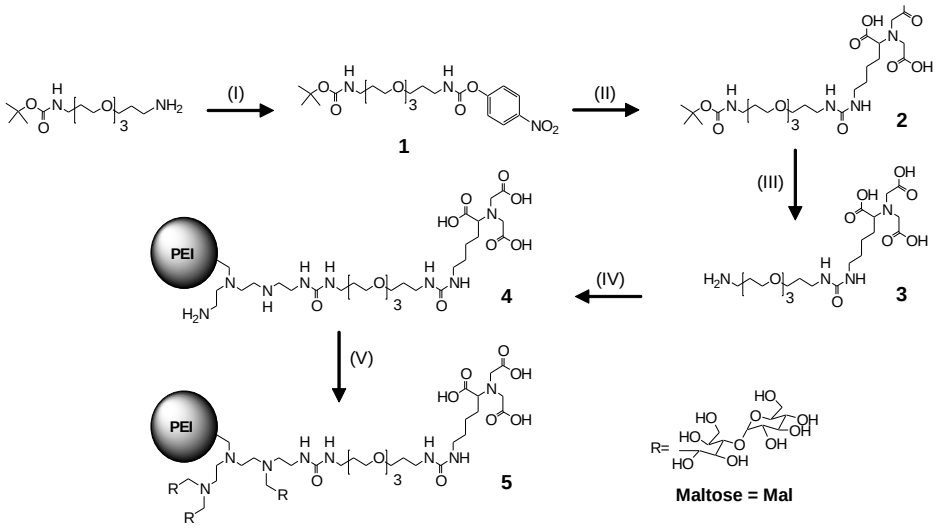

Figure 1-SI: Synthetic route for NTA-modified dendritic glycopolymer (**NTA-PEG$_3$-DG**, **5**): (I) *N*-Boc-4,7,10-trioxa-1,13-tridecanediamine, triethylamine (Et_3N), DCM, 24h, room temperature (rt); (II) **1**, (*S*)-*N*-(5-amino-1-carboxypentyl)iminodiacetic acid, Et_3N, DMSO, 40 h, rt; (III) **2**, HCl/dioxane, 24h, rt; (IVa) **3**, pyridine, THF, 24h, rt; (IVb) PEI, DMSO, 24h, rt; (V) **4**, D(+)-maltose monohydrate, BH_3*Pyr, Na-borate buffer, 50°C, 7 days;

Table 1-SI: Results of DLS measurements. Aggregation of P24*-PEI-maltose structure B polyplex was determined in dependency of the pH value.

pH	size [nm]
7.4	11 ± 0
6.5	93 ± 25
6.0	95 ± 4
5.5	93 ± 14
5.0	127 ± 34

*P24: NH-DTINEEAAEW-COOH