Supplementary Materials: Inclusion Complexes of Melphalan with Gemini-Conjugated β-Cyclodextrin: Physicochemical Properties and Chemotherapeutic Efficacy in In-Vitro Tumor Models

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Figure S1. Predicted 1H NMR spectra of Melphalan. Spectra created using nmrdb online tool (www.nmrdb.org).
Figure S2. Predicted $^1$H NMR spectra of 18:1 gemini surfactant. Spectra created using nmrdb online tool (www.nmrdb.org).
Figure S3. 2D ROESY spectrum of βCD-Mel at a 2:1 host-guest mole ratio, showing cross-peaks between βCD internal $^1$H cavity and Mel nuclei.
Figure S4. Phase solubility diagram\(^2\).
Figure S5. Cytotoxic efficiency of Melphalan in human malignant melanoma (A375 cell line). A375 cells were seeded at $1 \times 10^4$ cells/well in 96-well plate. Toxicity was reported using MTT Assay in comparison with non-treated cells (100% viability). $N = 3 \pm \text{SD}$.

Reference
