SUPPORTING INFORMATION

Octreotide-Mediated Tumor-Targeted Drug Delivery via a Cleavable Doxorubicin-Peptide Conjugate

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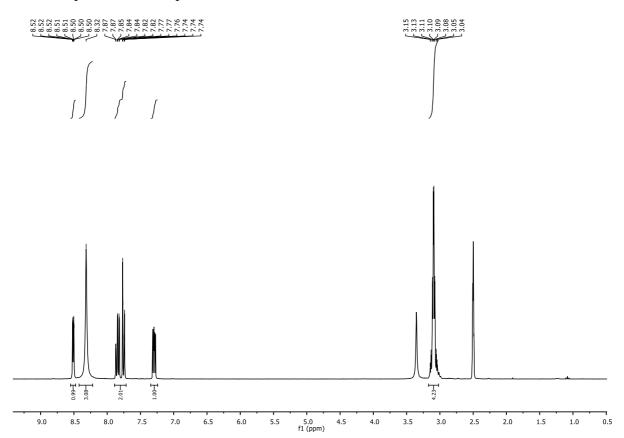
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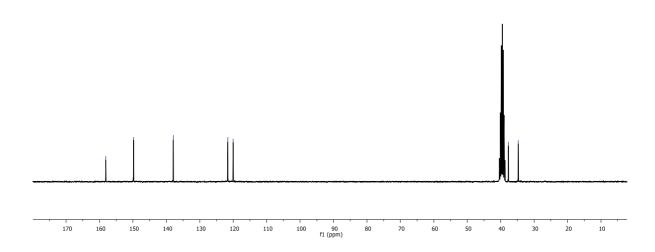
Synthesized compounds:

¹H NMR spectrum of compound **2** recorded in DMSO-*d*⁶ at 300 MHz

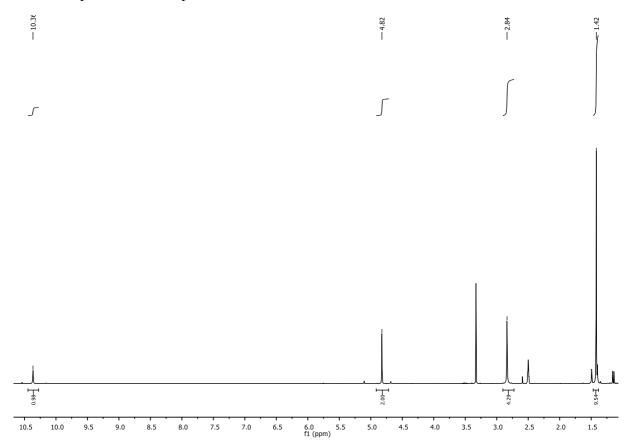


¹³C NMR spectrum of compound 2 recorded in DMSO-d⁶ at 75 MHz



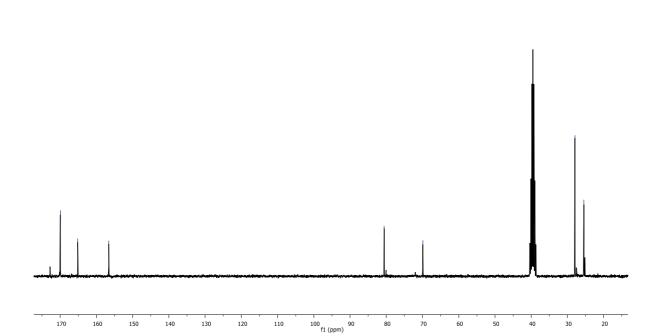


¹H NMR spectrum of compound **4** recorded in DMSO-*d*⁶ at 300 MHz



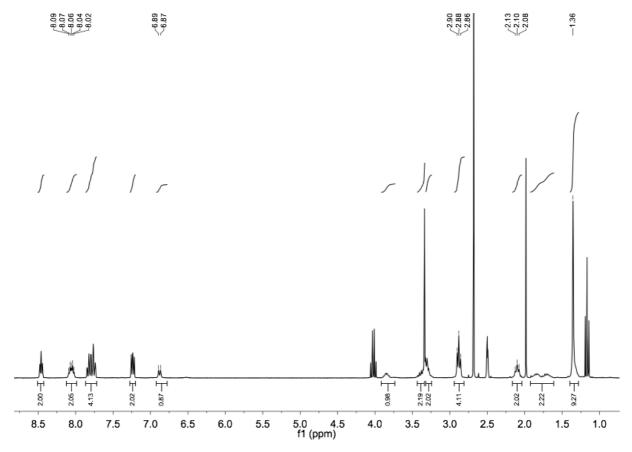
 13 C NMR spectrum of compound 4 recorded in DMSO- d^6 at 75 MHz

— 169.95 — 165.14

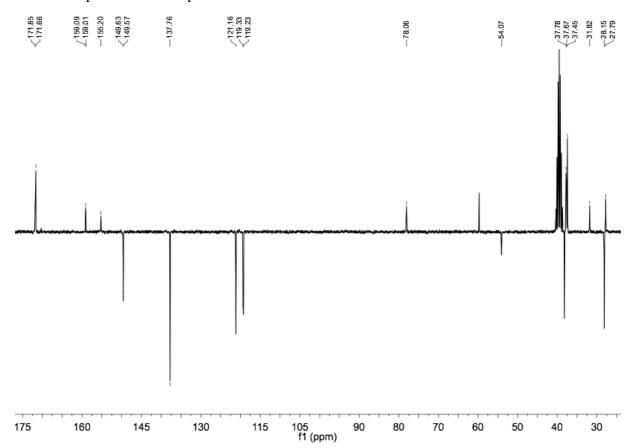


— 27.93 — 25.47

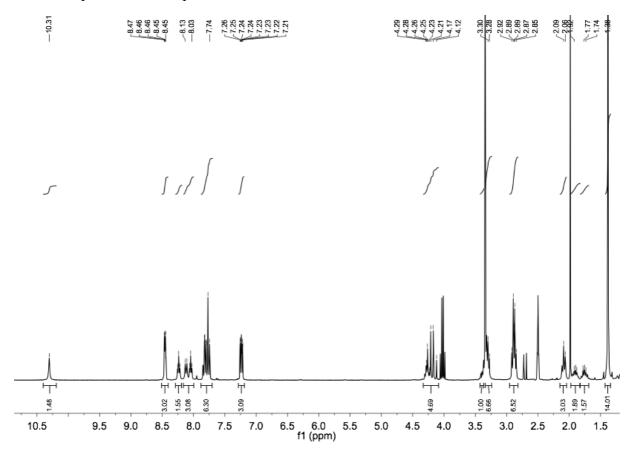
¹H NMR spectrum of compound **6** recorded in DMSO-*d*⁶ at 300 MHz



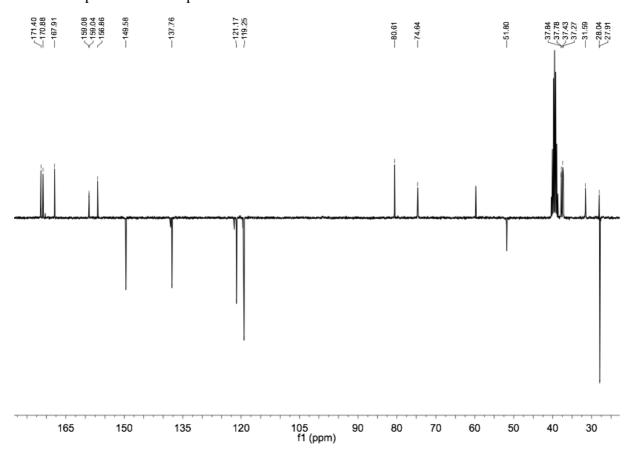
¹³C NMR spectrum of compound **6** recorded in DMSO-d⁶ at 75 MHz



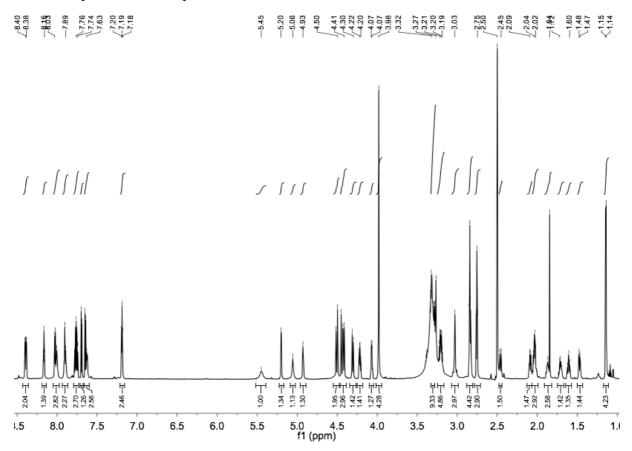
¹H NMR spectrum of compound **7** recorded in DMSO-*d*⁶ at 300 MHz



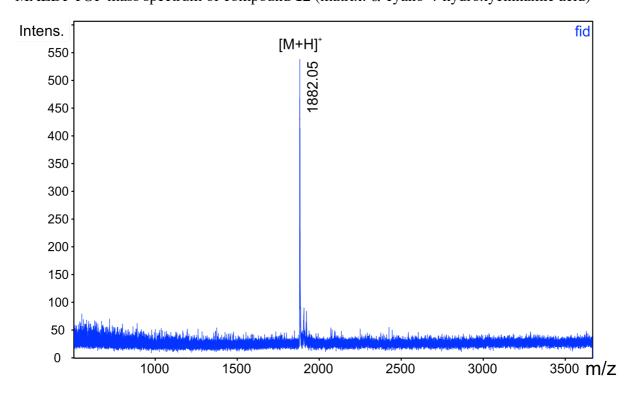
¹³C NMR spectrum of compound 7 recorded in DMSO-d⁶ at 75 MHz



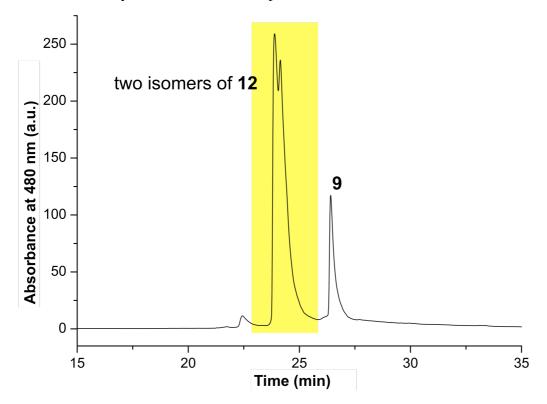
¹H NMR spectrum of compound **9** recorded in DMSO-*d*⁶ at 850 MHz



MALDI-TOF mass spectrum of compound **12** (matrix: α-cyano-4-hydroxycinnamic acid)



HPLC chromatogram of a sample from the reaction mixture (after 5 minutes) of the doxorubicin-octreotide conjugate formation, which is showing the two narrow peaks for both isomers of the hybrid 12 as well as the peak for the unreacted doxorubicin derivative 9.



Cytotoxic effect of Dox-Oct conjugate (12) on A549 adenocarcinomic human alveolar basal epithelial cells (72 h after incubation with the compound) as determined by the CellTiter-Glo® luminescent cell viability assay.

