

Supporting Information

Engineered Nanomicelles Targeting the Proliferation and Angiogenesis Inhibit the Tumour Progression by Impairing the Synthesis of Ceramide-1-Phosphate

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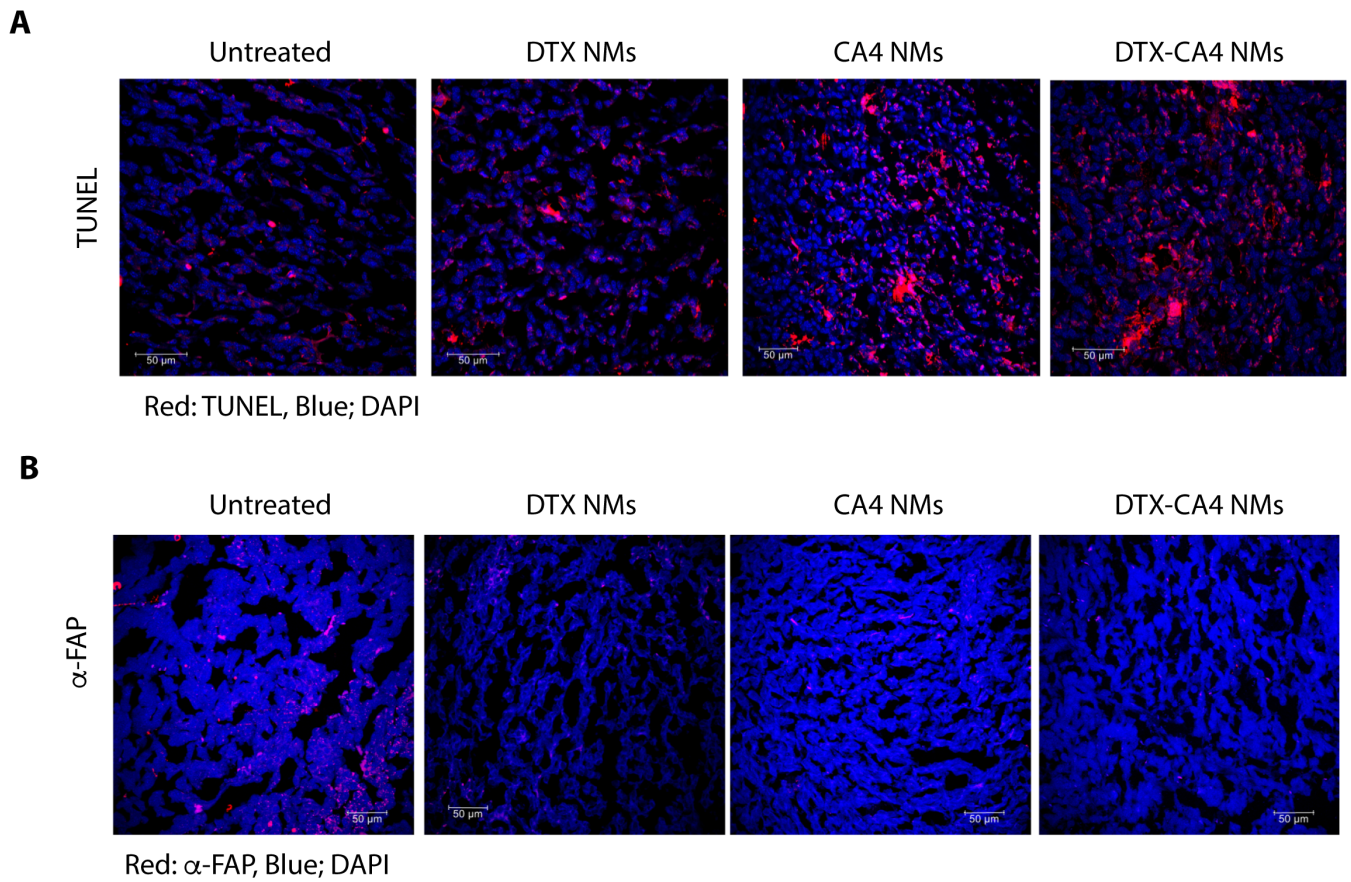


Figure S1. (A) Expression of Apoptotic cells in DTX-CA4 NMs treated tissues as compared to DTX NMs, CA4 NMs treated and untreated tumor tissues. (B) Immunofluorescence images showing the change in the expression of α -FAP staining the cancer-associated fibroblast in DTX-CA4 NMs treated tissues in compared to DTX NMs, CA4 NMs treated and untreated tumor tissues.

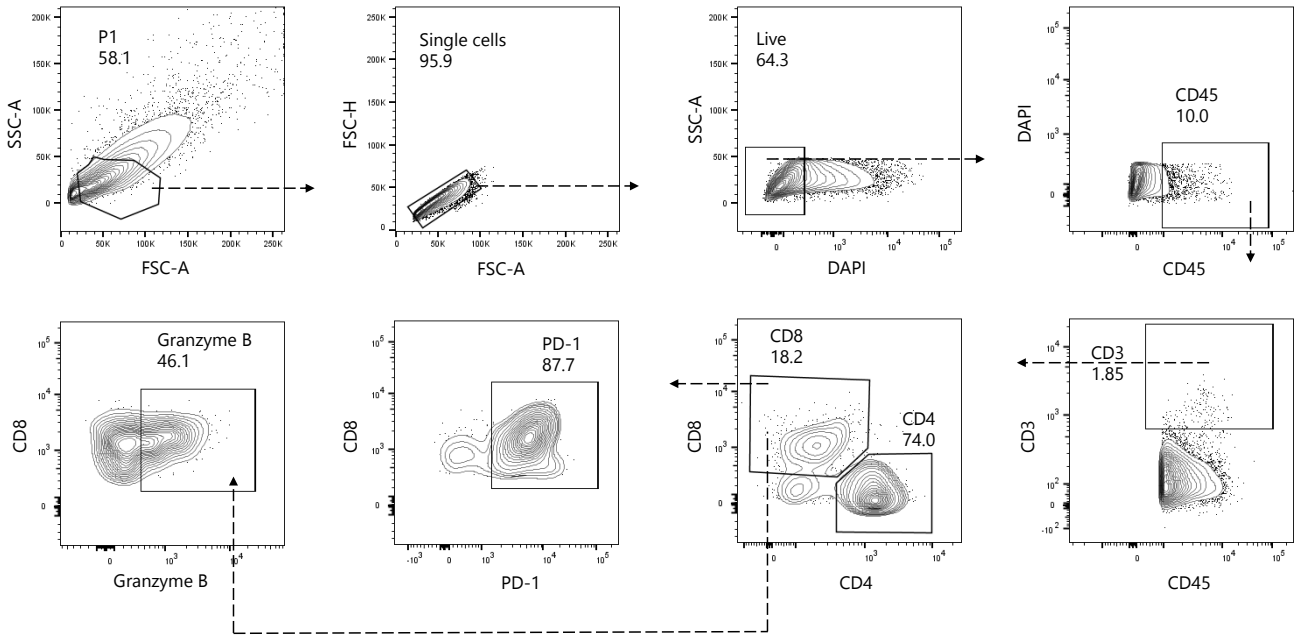


Figure S2. Gating strategy for quantification of Granzyme B⁺ CD8⁺ T cells.

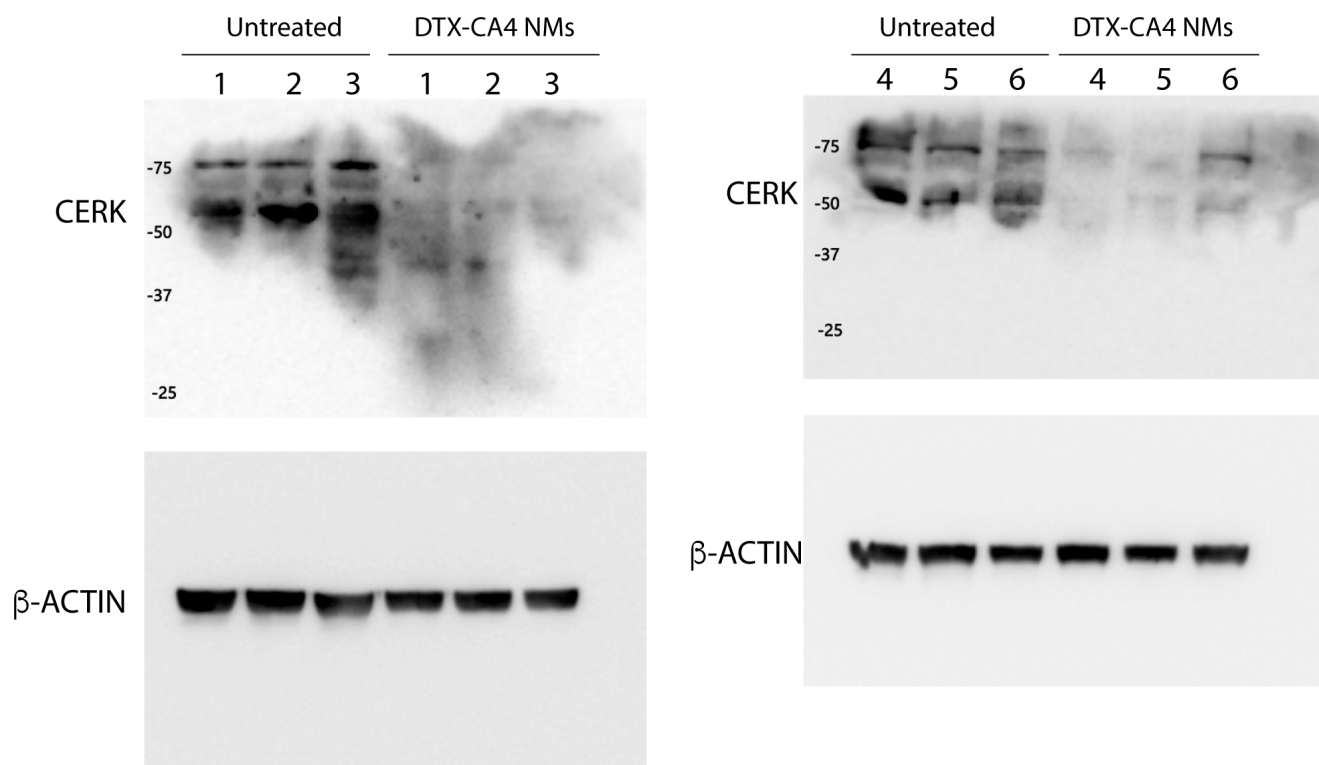


Figure S3. Original immunoblots.

¹H NMR of Compound 5

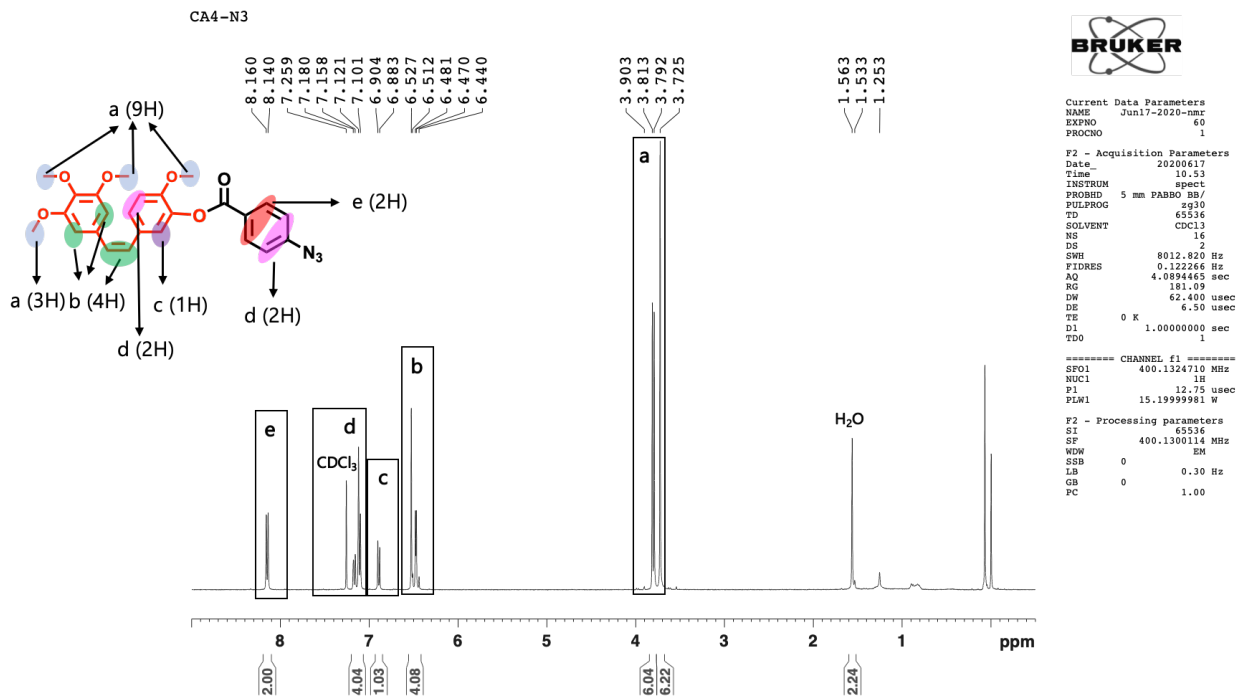
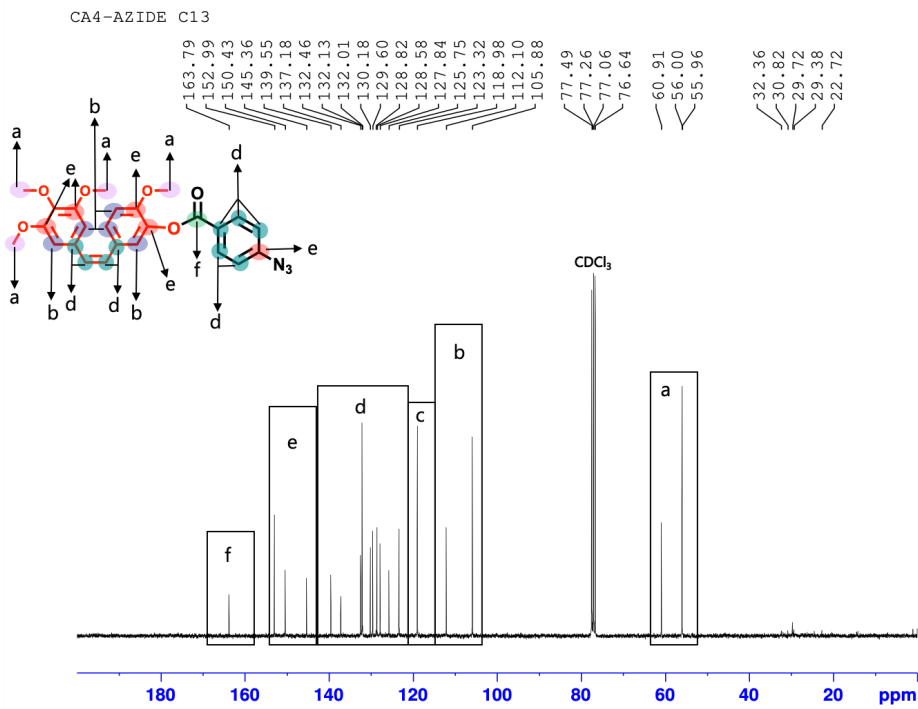


Figure S4. ¹H NMR of the compound 5 (CA4-Azide).

¹³C NMR of Compound 5



Current Data Parameters
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EXPNO 90
PROCNO 1

F2 - Acquisition Parameters
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Time 19.10 h
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TD 65536
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NS 2000
DS 4
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FIDRES 0.552855 Hz
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RG 12.92
DW 27.600 usec
DE 6.50 usec
TE 296.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1
SFO1 75.5180461 MHz
NUC1 13C
P1 10.00 usec
PLW1 44.50699997 W
SFO2 300.3012012 MHz
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PLW12 0.20043489 W
PLW13 0.10045800 W

F2 - Processing parameters
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WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Figure S5. ¹³C NMR of the compound 5 (CA4-Azide).

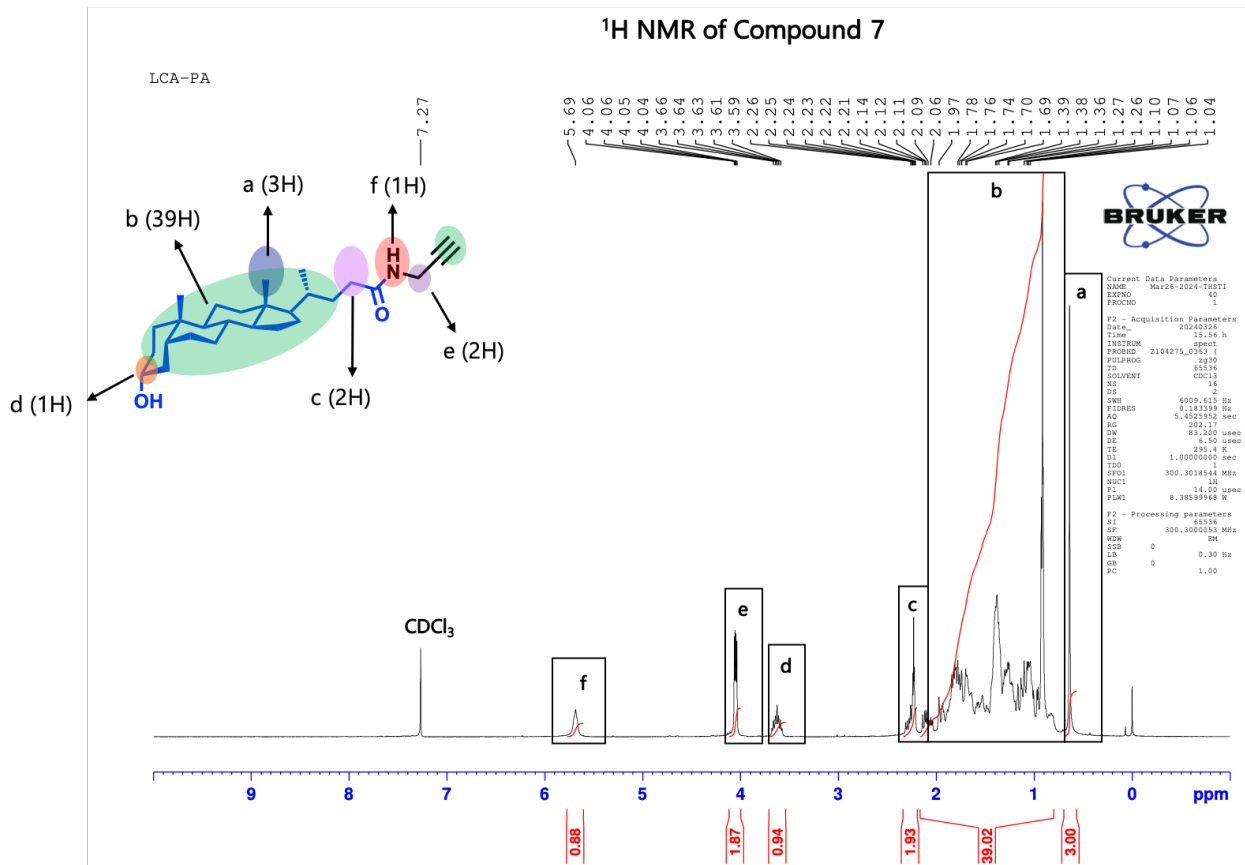


Figure S6. ¹H NMR of the compound 7 (LCA-PA).

¹³C NMR of Compound 7

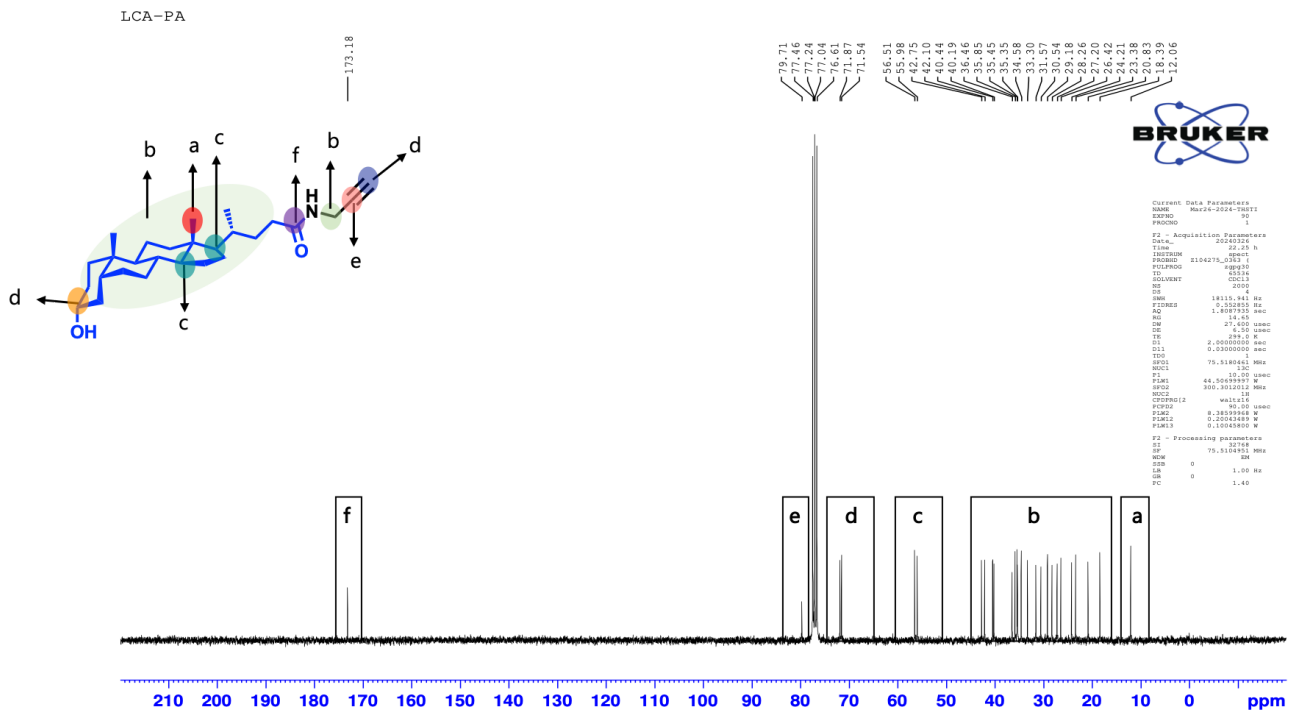


Figure S7. ¹³C NMR of the compound 7 (LCA-PA).

¹H NMR of Compound 8

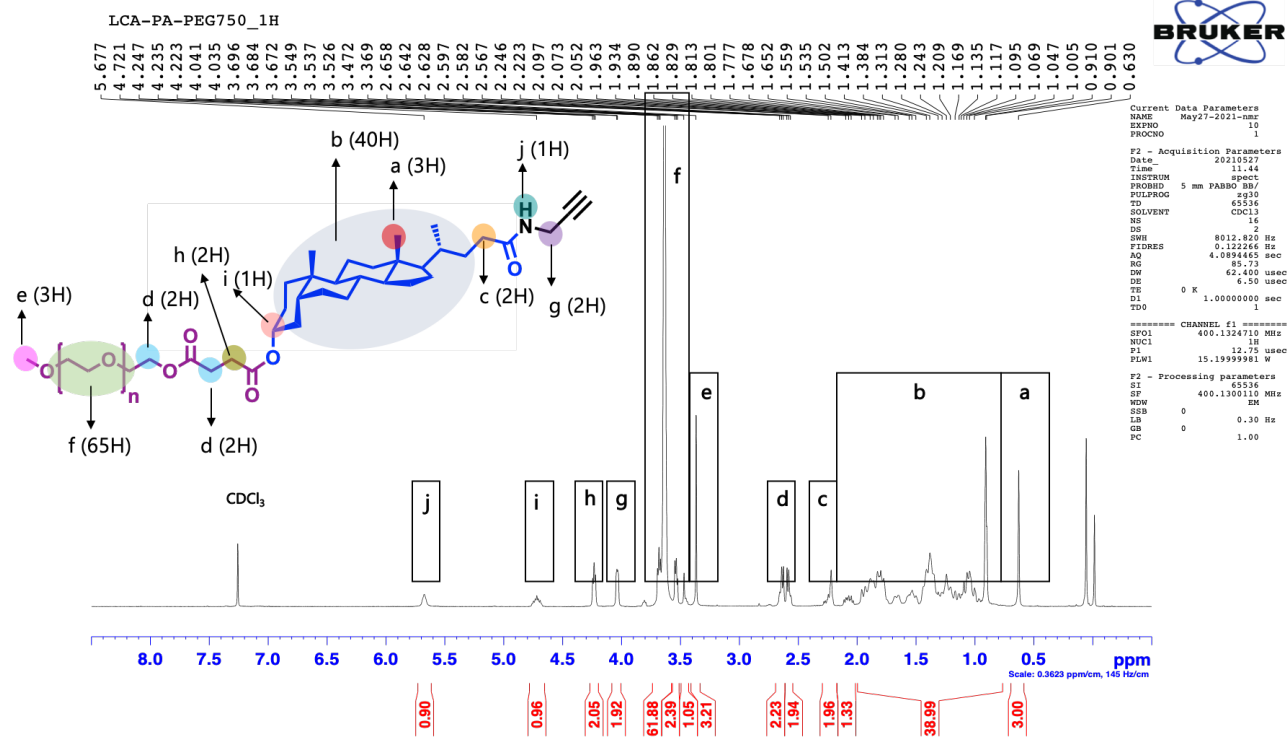


Figure S8. ¹H NMR of the compound 8 (PEG-LCA-PA).

¹H NMR of Compound 2

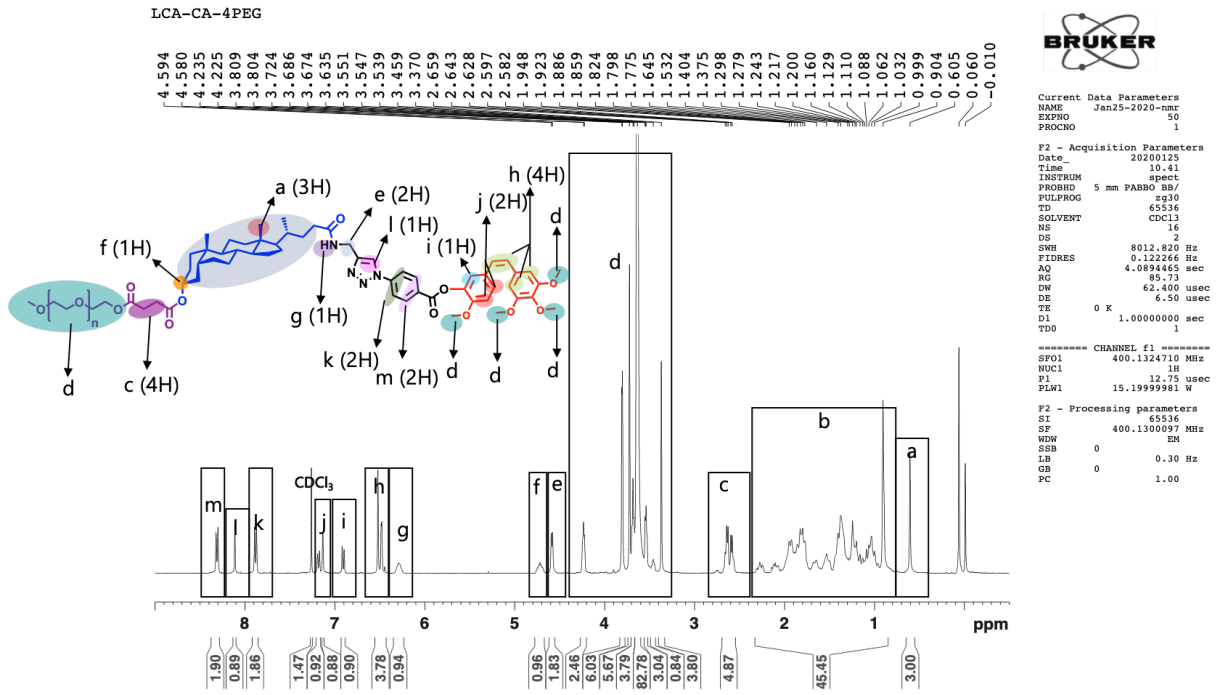


Figure S9. ¹H NMR of the compound 2 (PEG-LCA-CA4).

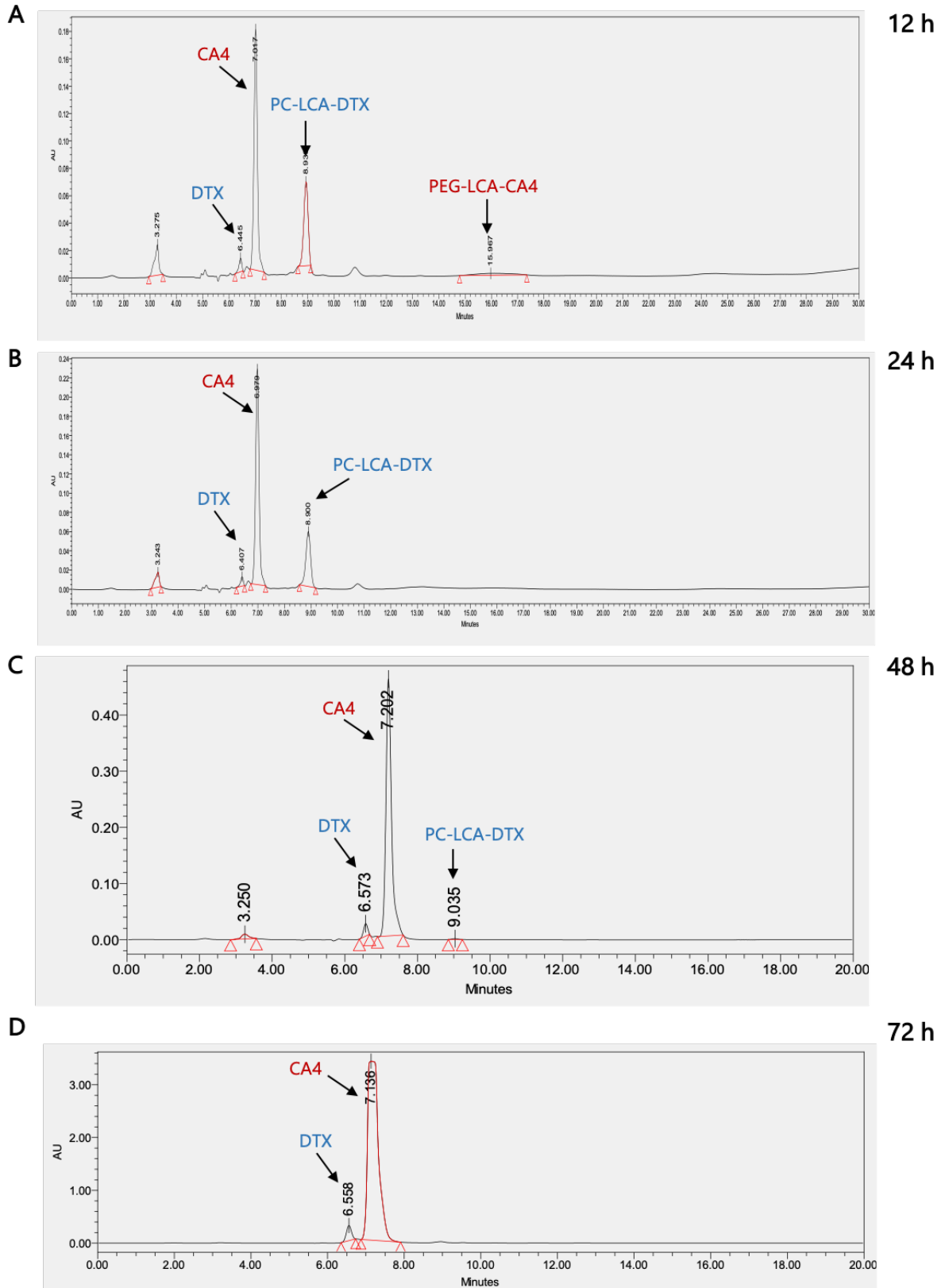


Figure S10. Representative HPLC chromatographs at different time points show the release of DTX and CA4 in the presence of esterase.