

# Disulfide Cross-linked Micelles for the Targeted Delivery of Vincristine to B-cell Lymphoma

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## **Supplementary Data**

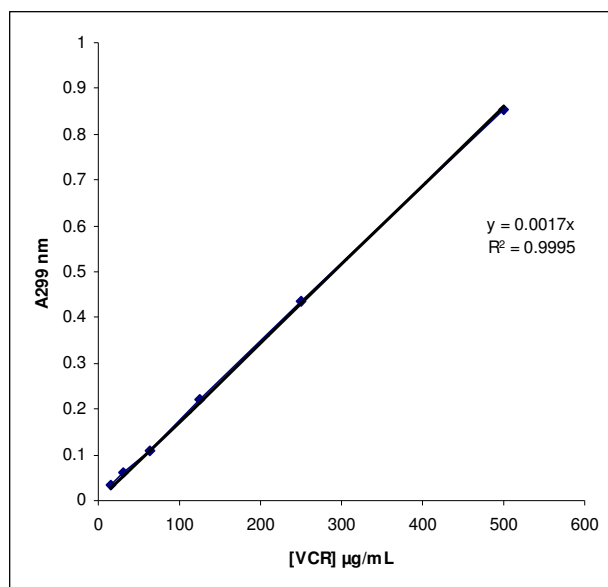


Fig. S1 VCR standard curve using spectrophotometric detection at 299 nm

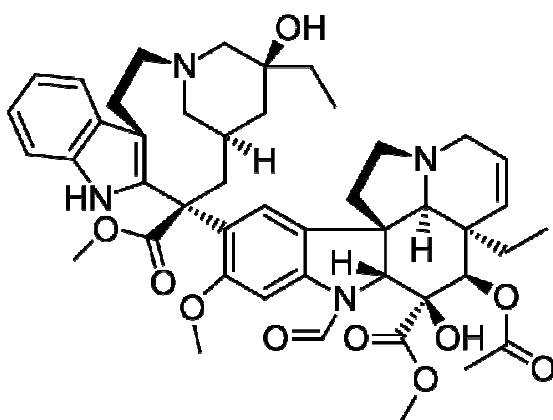


Fig. S2 Structure of vincristine

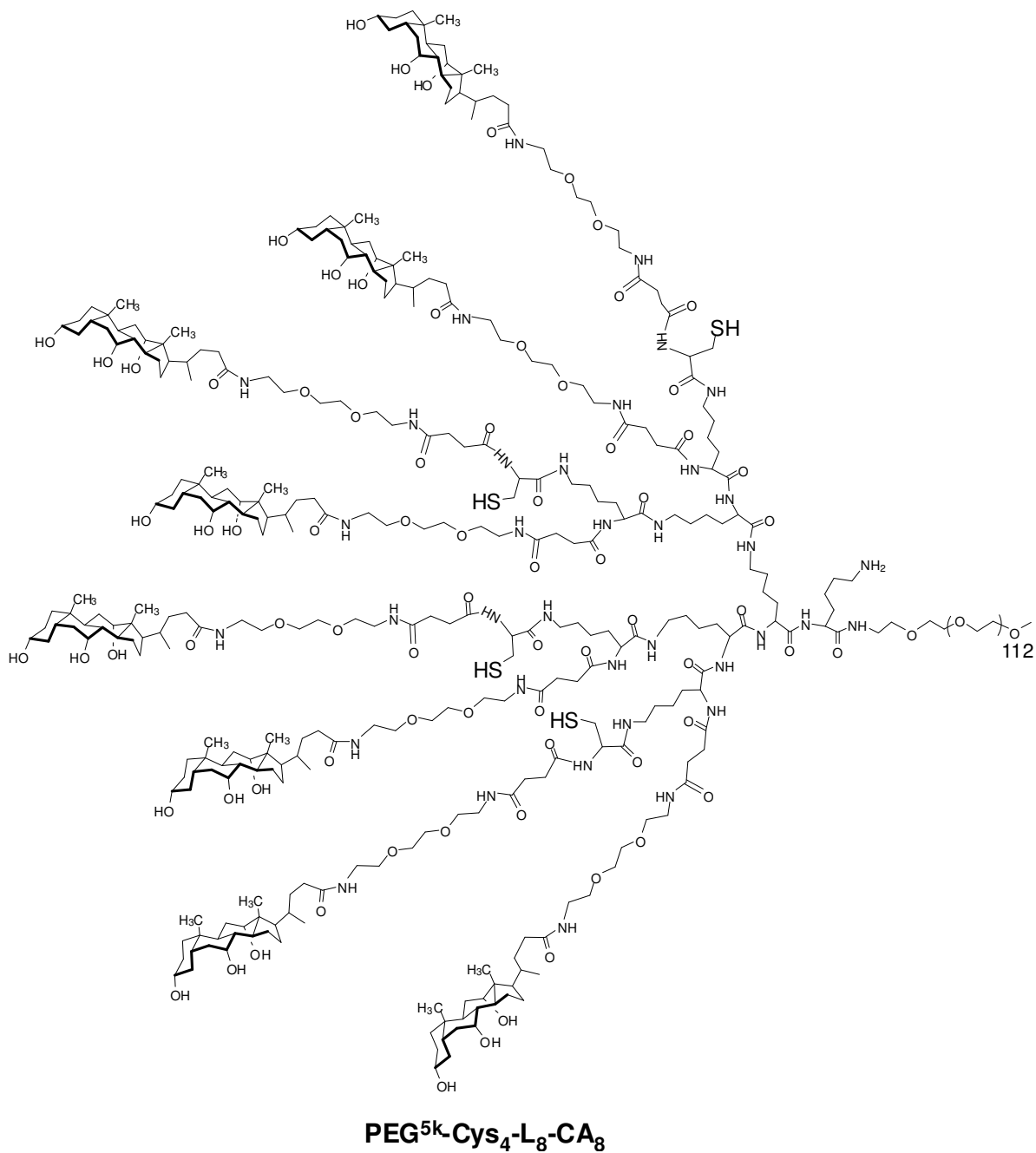


Fig. S3 The chemical structure of the polymer, PEG5k-Cys4-L8-CA8

	<b>WBC (K/uL)</b>	<b>RBC (M/uL)</b>	<b>Hemoglobin (g/dL)</b>	<b>Platelets (K/uL)</b>
<b>PBS</b>	7.26 ± 2.31	10.17 ± 0.18	15.6 ± 0.24	695.3 ± 144.2
<b>Conventional VCR 1 mg/kg</b>	5.69 ± 1.51	9.58 ± 0.80	15.2 ± 0.60	971 ± 103.3
<b>DCM-VCR 1 mg/kg</b>	5.65 ± 1.60	9.30 ± 0.43	14.8 ± 0.51	876 ± 162.4
<b>DCM-VCR 1 mg/kg + N-Ac 100 mg/kg</b>	7.01 ± 1.67	9.98 ± 0.95	15.5 ± 1.25	811.7 ± 232.2
<b>DCM-VCR 2.5 mg/kg</b>	6.45 ± 1.22	8.95 ± 0.43	14.8 ± 0.81	1268 ± 206.9

Table S1 Eight days after the final treatment, the blood of mice (n=3) from each group was collected for determination of complete blood count.

	<b>ALT (K/uL)</b>	<b>AST (M/uL)</b>	<b>BUN (K/uL)</b>	<b>Creatinine (K/uL)</b>	<b>Total Bilirubin (g/dL)</b>
<b>PBS</b>	38.5 ± 3.35	109.4 ± 6.5	25.7 ± 2.6	.149 ± .01	.128 ± .006
<b>Conventional VCR 1 mg/kg</b>	33.6 ± 1.06	101.1 ± 19.6	32.2 ± 3.8	.202 ± .02	.12 ± .017
<b>DCM-VCR 2.5 mg/kg</b>	31.9 ± 6.92	91 ± 7.8	33.1 ± 2.9	.174 ± .02	.089 ± .008

Table S2 Eight days after the final treatment, the blood of mice (n=3) from the PBS, conventional VCR 1 mg/kg and DCM-VCR 2.5 mg/kg groups was collected for serum chemistry analysis including alanine aminotransferase (ALT), aspartate aminotransferase (AST), total bilirubin, blood urea nitrogen (BUN) and creatinine.