

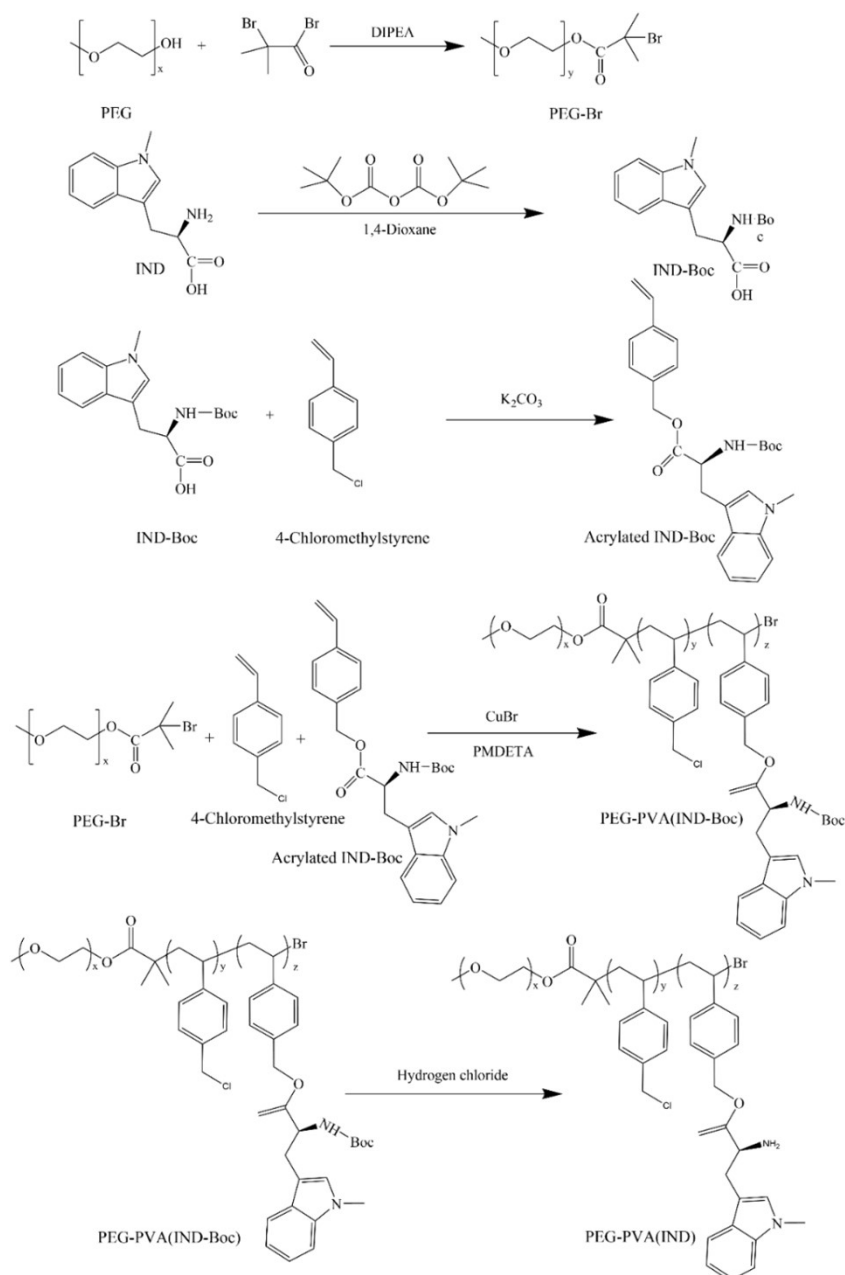
# Polymeric Indoximod Based Prodrug Nanoparticles with Doxorubicin entrapment for Inducing Immunogenic Cell Death and Improving Immunotherapy for Breast cancer

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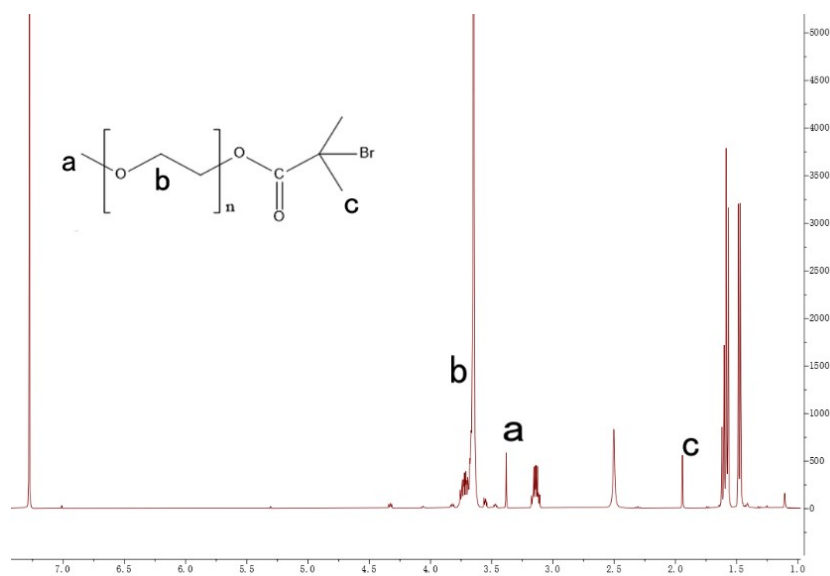
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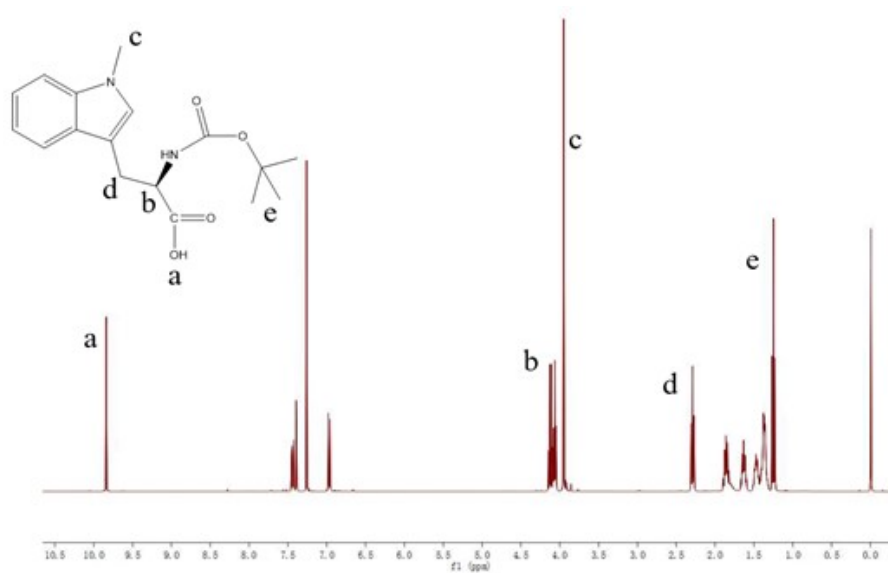
## Supporting Information



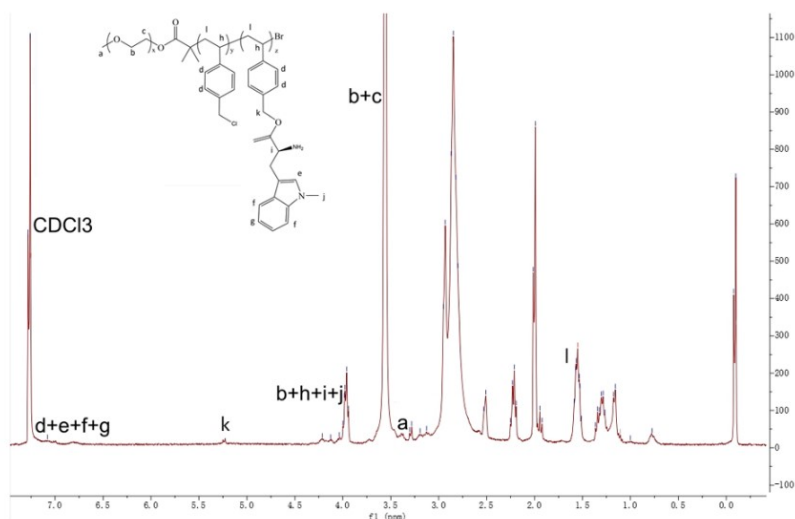
**Figure S1.** Schematic synthesis of PEG-PVA(IND).



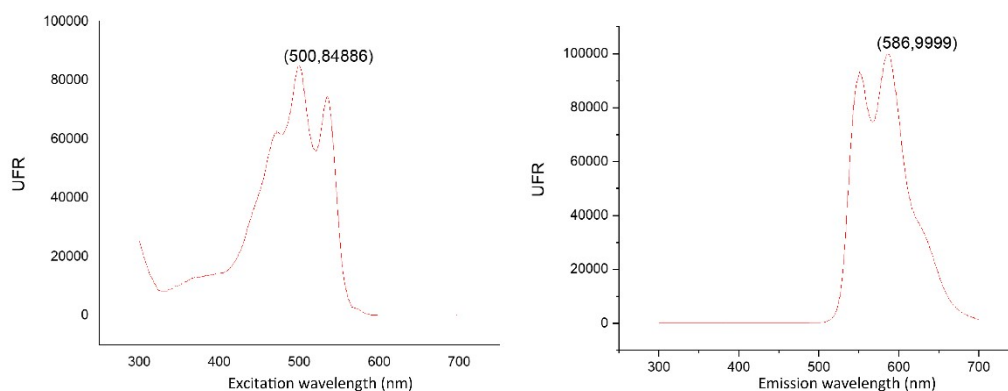
**Figure S2.**  $^1\text{H}$  NMR spectrum of PEG-Br.



**Figure S3.**  $^1\text{H}$  NMR spectrum of IND-Boc.



**Figure S4.**  $^1\text{H}$  NMR spectrum of PEG-PVA(IND).



**Figure S5.** The excitation and emission wavelength of DOX.

**Table S1.** Particle size changes during 5 days at room temperature (n=3).

Formulations	Particle size at 0 <sup>th</sup> day (nm)	Particle size at 5 <sup>th</sup> day (nm)
IND@NPs	98.2 ± 0.29	105.2±5.2
DOX/IND@NPs	104 ± 3.21	110.7±4.92

**Table S2.** Particle size and zeta potential of DOX/IND@NPs and DiR labelled IND@NPs.

Formulations	Particle size (nm)	Zeta potential (mV)
DOX/IND@NPs	104 ± 3.21	-7.58 ± 2.34
DiR/IND@NPs	102.2±4.56	-6.65±1.43