

Inflammation responsive logic gate nanoparticles for the delivery of proteins

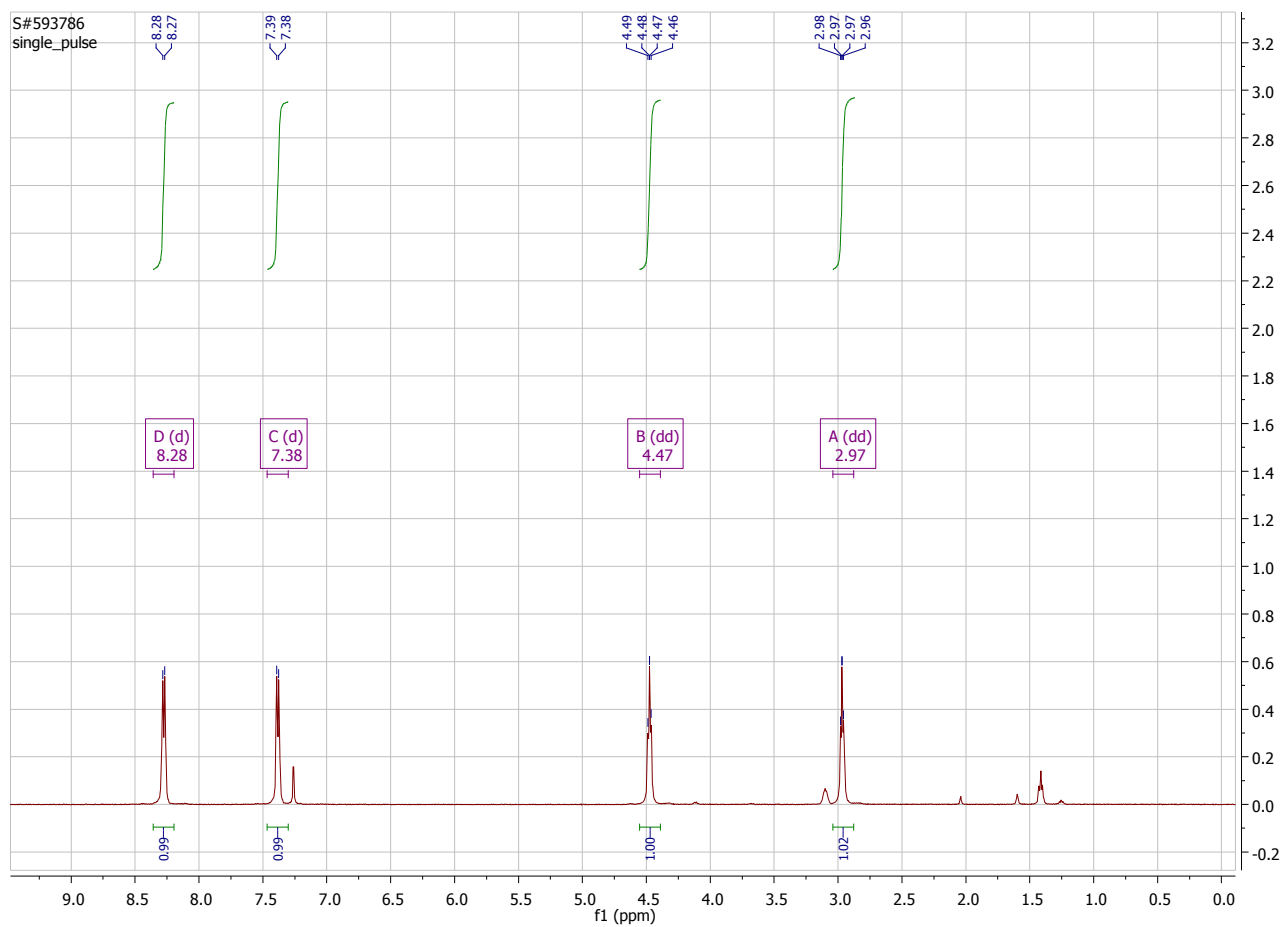
Enas A. Mahmoud[†], Jagadis Sankaranarayanan[†], Jose´ M. Morachis[†], Gloria Kim[†], and Adah Almutairi^{†, ‡, §*}

[†]Skaggs School of Pharmacy and Pharmaceutical Sciences, [‡]Materials Science and Engineering, and [§]NanoEngineering, University of California at San Diego, La Jolla, California 92093-0657

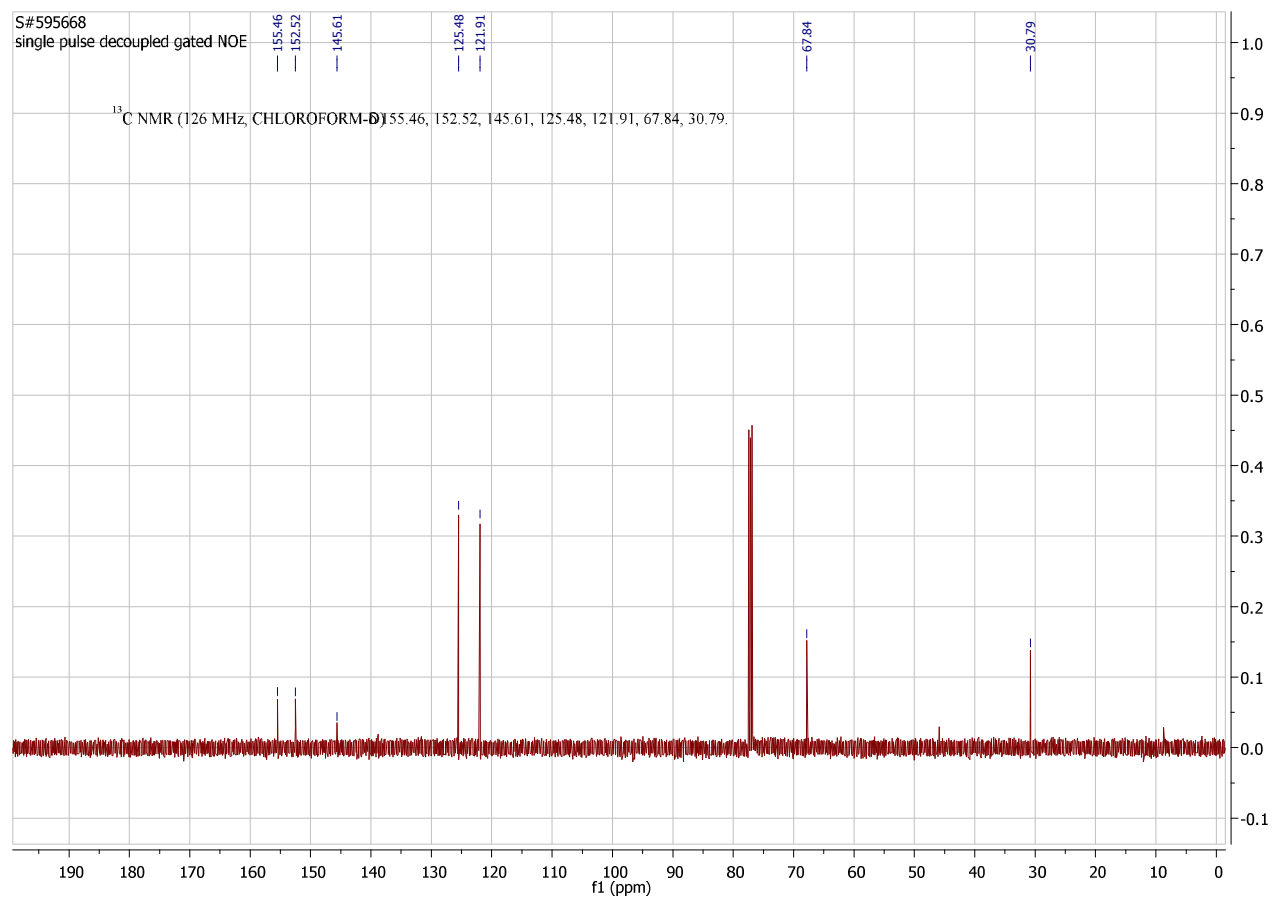
*Corresponding author: Prof. Adah Almutairi, aalmutairi@ucsd.edu

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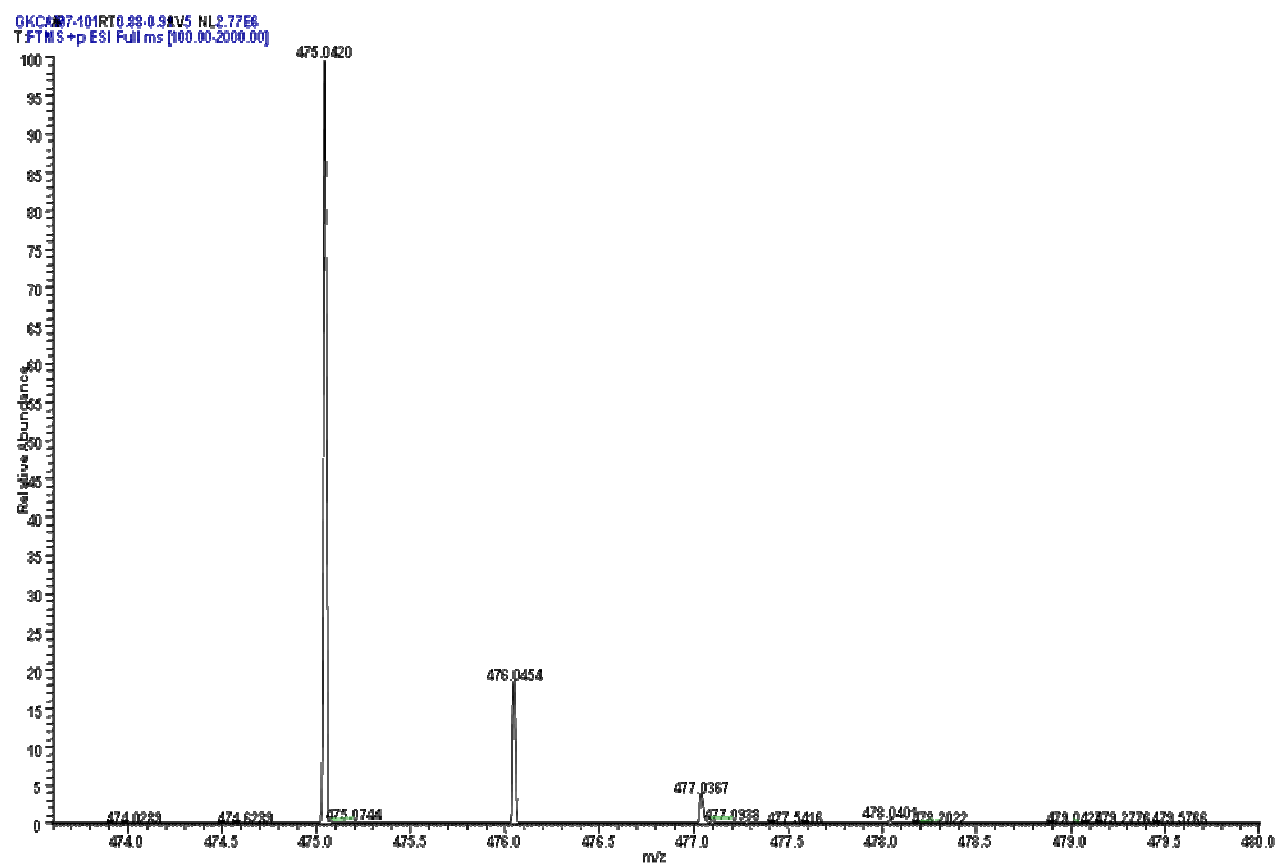
1. ¹HNMR of compound 3.
2. ¹³CNMR of compound 3.
3. HR-ESI-FT-MS (Orbit-Trap-MS) of compound 3.
4. ¹HNMR of *poly* 5.
5. ¹³CNMR of *poly* 5.
6. GPC trace of Poly 5 calibrated against Polystyrene standards.



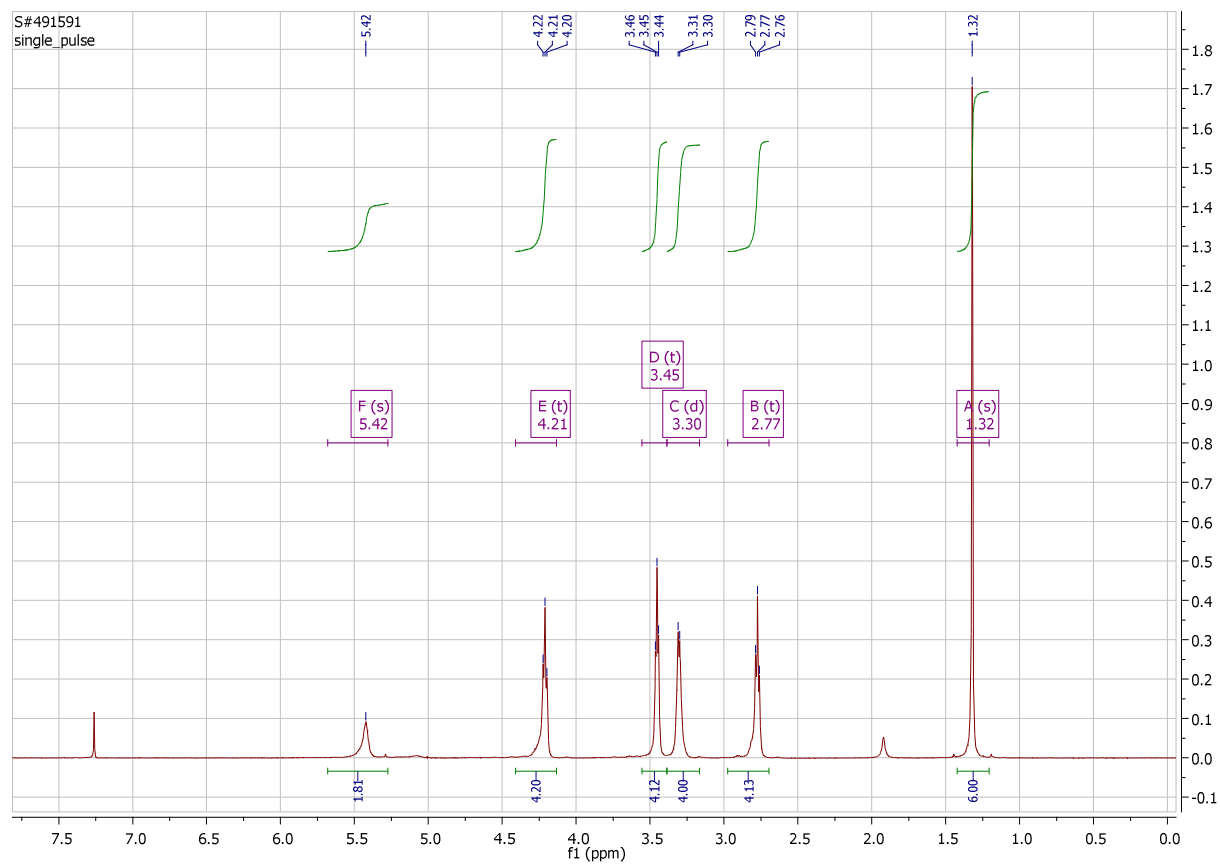
SI-figure 1: ^1H NMR of compound 3.



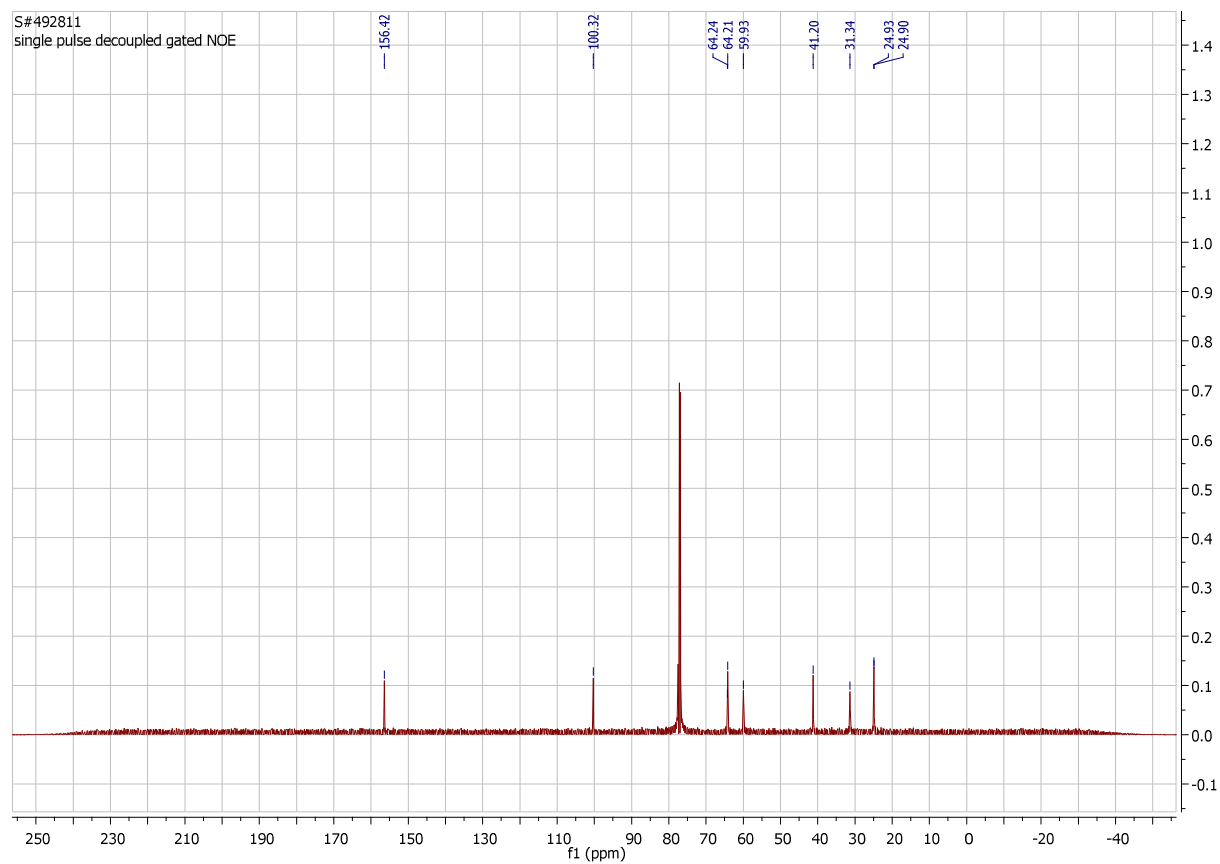
SI-figure 2: ^{13}C NMR of compound 3.



SI-figure 3: HR-ESI-FT-MS (Orbit-Trap-MS) of compound 3.



SI-figure 4: ^1H NMR of *poly 5*

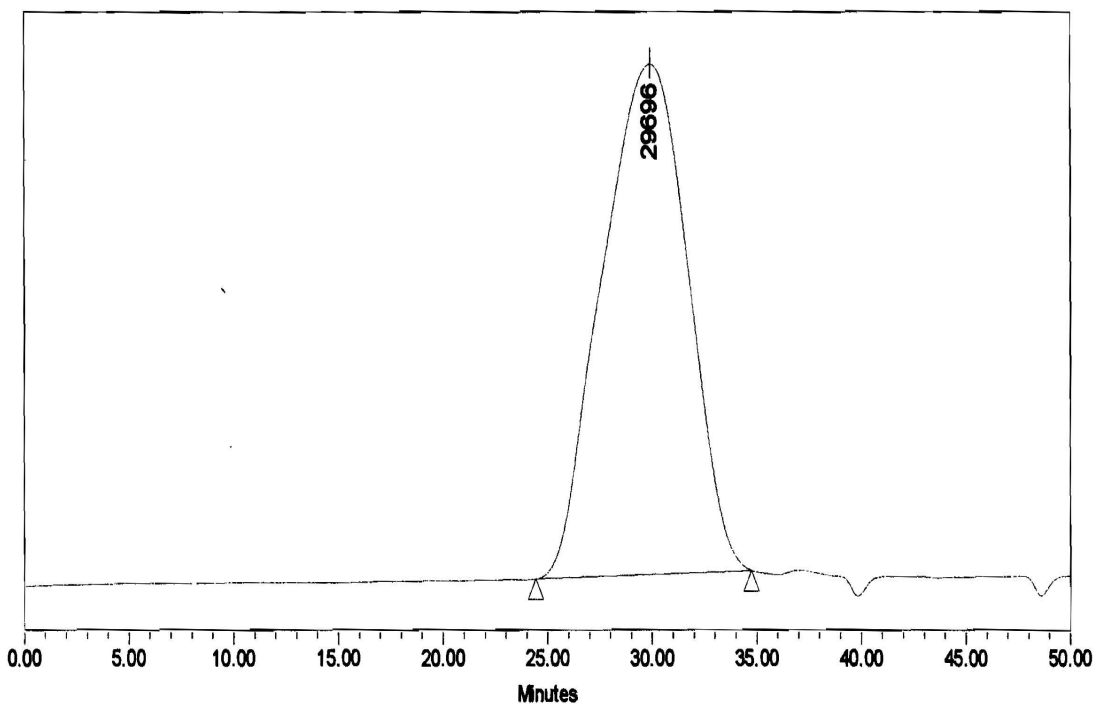


SI-figure 5: ^{13}C NMR of *poly 5*.

GPC-DMF:

(1) 2 Columns: Viscotek I-MBHMW-3078, I-Series Mixed Bed High Molecular Weight, GPC/SEC Columns; Separation Range 100-20 k(30cm x 7.8mm id.), and (2) 2 Columns Viscotek IMBLMW-3078, I-Series Mixed Bed Low Molecular Weight GPC/SEC Columns, Separation Range: 100-20k (30cm x 7.8mm id).

DMF: One of the most commonly employed solvents for studying solution properties of polar molecules. The addition of the electrolytic salt, LiBr (0.01%), stabilizes the effects whether associated with the polymer or the columns, enabling normal fractionation to occur.



GPC Results

	Dist Name	Mn	Mw	MP	Mz	Mz+1	Mv	Poly dispersity	MW Marker 1	MW Marker 2
1		27623	49775	29696	98764	172877		1.801988		

SI-figure 6: GPC trace of Poly 5 calibrated against Polystyrene standards