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Figure SI1. ¹H NMR spectra of B used for the determination of the number of repeating unit n.

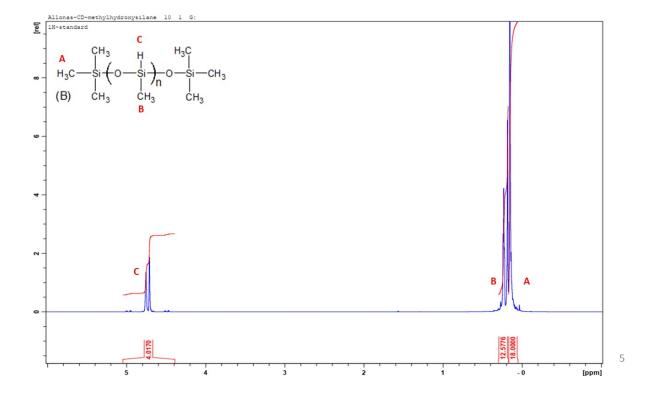


Figure SI2. 1 H NMR spectra of (A+B), (A+C) and (A+E) formulations at reaction time t=0 and t=60 minutes.

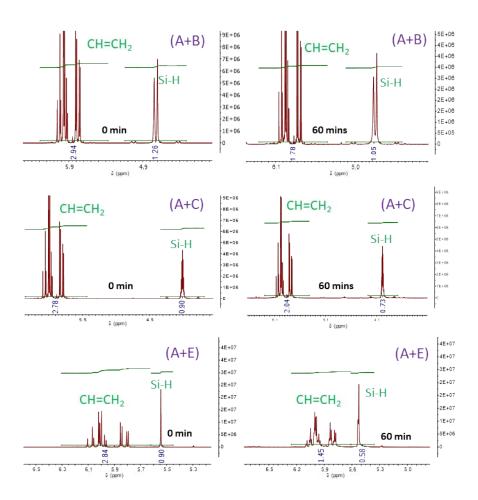


Figure SI3. Changes in ¹H NMR spectra of (A+B), (A+C), (A+D) and (A+E) formulations during irradiation.

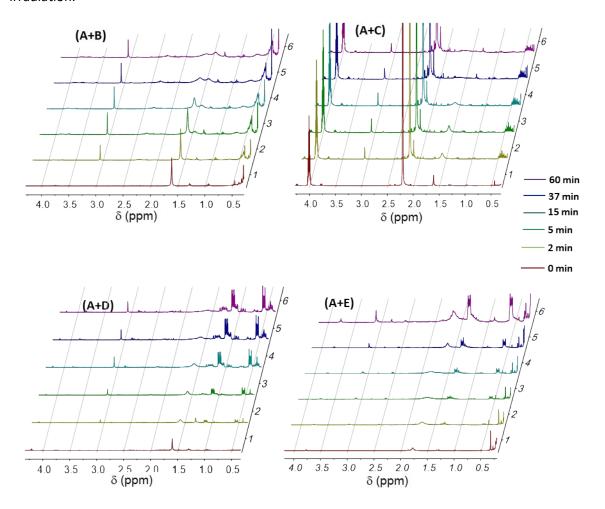


Figure SI4. a) 13C NMR spectrum, b) DEPT spectrum and c) COSY spectrum of (A+D) formulation.

