

Glutathione responsive nanocarrier based on viologen resorcinarene cavitand and 1-allylthymine

Alexandra D. Voloshina,^a Elina E. Mansurova,^b Leysan R. Bakhtiozina,^b Marina M. Shulaeva,^a Irek R. Nizameev,^c Anna P. Lyubina,^a Syumbelya K. Amerhanova,^a Marsil K. Kadirov,^a Albina Y. Ziganshina,^{*a} Vyacheslav E. Semenov^a and Igor S. Antipin^{a,b}

^a*A. E. Arbuzov Institute of Organic and Physical Chemistry, FRC Kazan Scientific Center, Russian Academy of Sciences, Arbuzov str. 8, Kazan 420088, Russia. Fax: +7(843)2752253, E-mail: az@iopc.ru*

^b*Alexander Butlerov Institute of Chemistry, Kazan Federal University, Lobachevsky str. 1/29, Kazan 420008, Russia.*

^c*Kazan National Research Technical University named after A.N. Tupolev - KAI, 10, K. Marx str., Kazan 420111, Russia.*

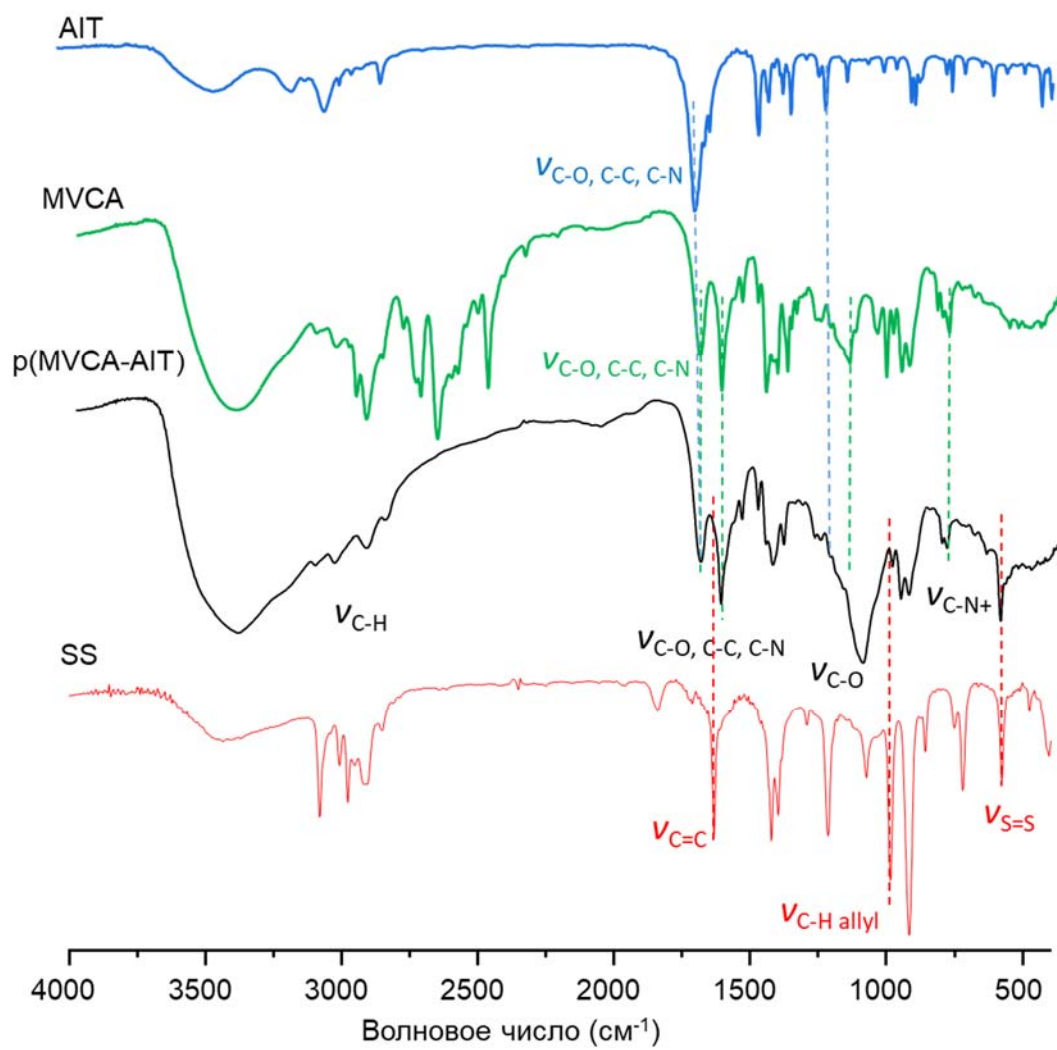


Fig. S1 IR spectra of AIT, MVCA, p(MVCA-AIT) and DADS.

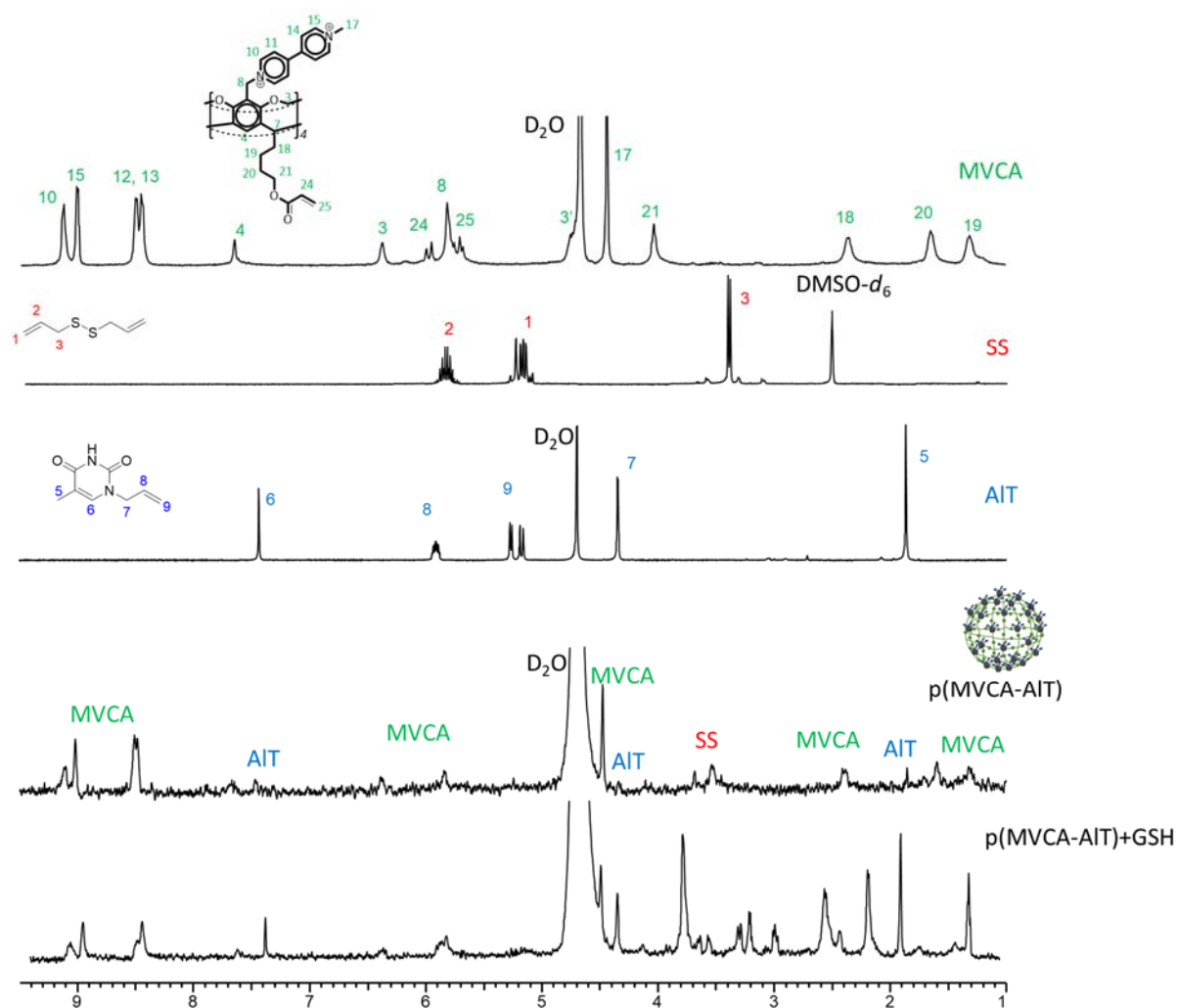


Fig. S2 ^1H NMR spectra of MVCA, DADS, AIT and p(MVCA-AIT) before and after addition of 8 mM GSH, D_2O , 25 $^\circ\text{C}$.