

Electronic supplementary informations for:

Self- encapsulation of a drug-containing ionic liquid into mesoporous silica monoliths or nanoparticles by sol-gel process

*David Brevet,^a Claire Jouannin,^a Corine Tourné-Péteilh,^a Jean-Marie Devoisselle,^a André Vioux^a and Lydie Viau^{*a,b}*

^a Institut Charles Gerhardt Montpellier, UMR 5253, CNRS-UM2-ENSCM-UM1 Place Eugène Bataillon, CC1701, 34095 Montpellier, France

^b Institut UTINAM, UMR CNRS 6213, UFR des Sciences et Techniques, Equipe Matériaux et Surfaces Structurés 16 route de Gray, 25030 Besançon Cedex

* To whom correspondence should be sent: E-mail: lydie.viau@univ-fcomte.fr; Fax: + (33) 03 81 66 62 88; Tel: + (33) 03 81 66 62 93

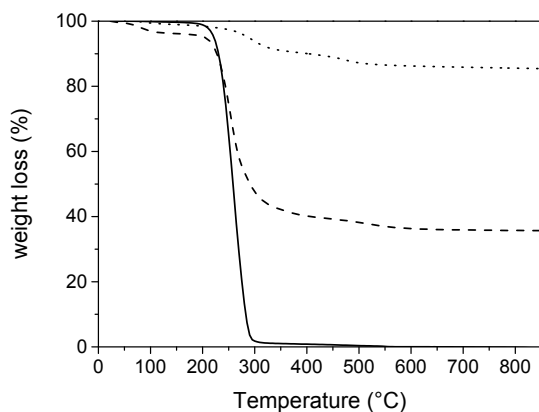


Fig. S1 TGA of C₈MimIbu (straight line) and of the ionogel before (dashed line) and after extraction of the IL in EtOH (dotted line)

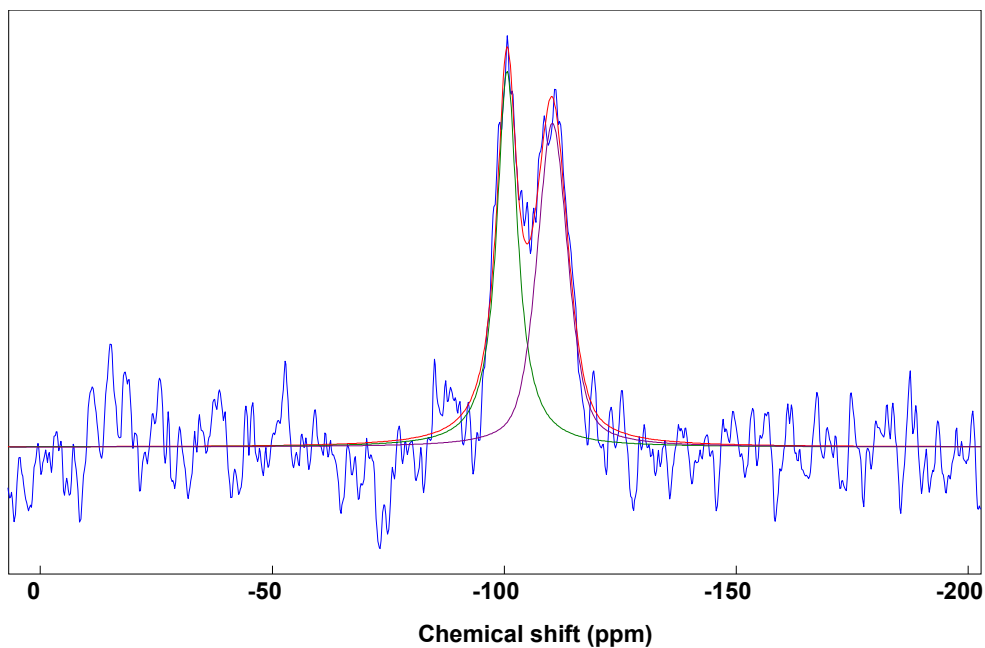


Fig. S2. ^{29}Si single pulse MAS NMR spectra of washed gel obtained using C_8MimIbu

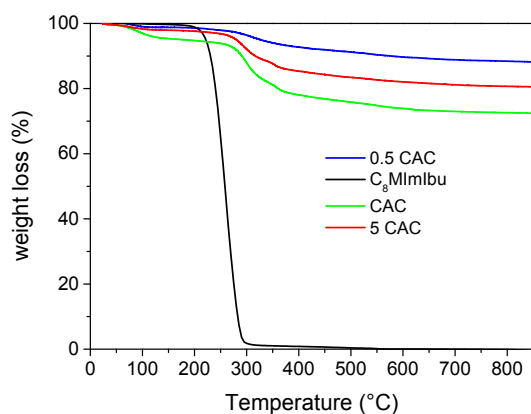


Fig. S3 TGA of C_8MimIbu and of the nanoparticles after extraction of the IL

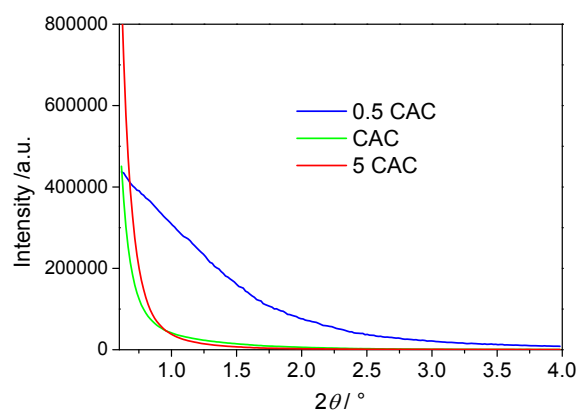


Fig. S4 SAXS patterns obtained for the silica nanoparticles at different concentration of C_8MimIbu