

ELECTRONIC SUPPLEMENTARY INFORMATION

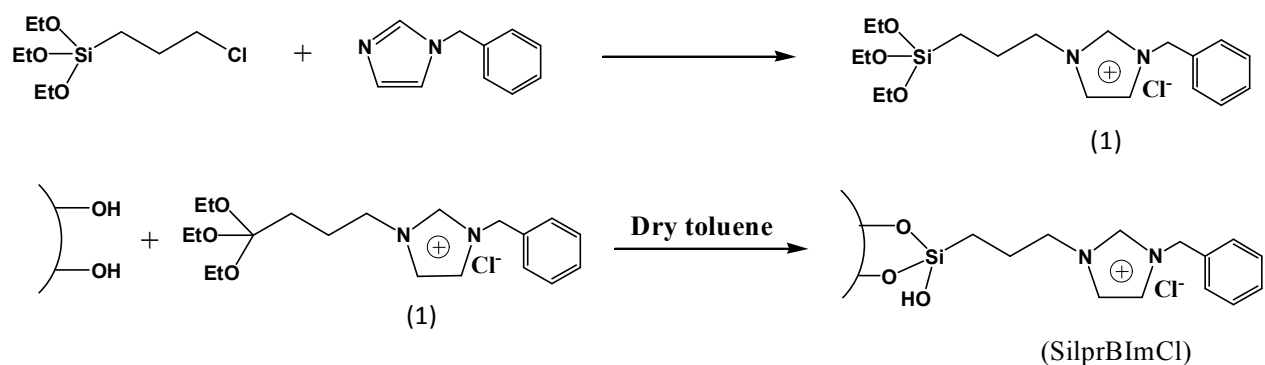
Mono and co-immobilization of imidazolium ionic liquids on silica: Effects of the substituted groups on the adsorption behavior of 2,4-dinitrophenol

Zhike Wang^{a, b *}, Honglian Ge^a, Xueyuan Wang^b, Cunling Ye^{b*} and Shunli Fan^a

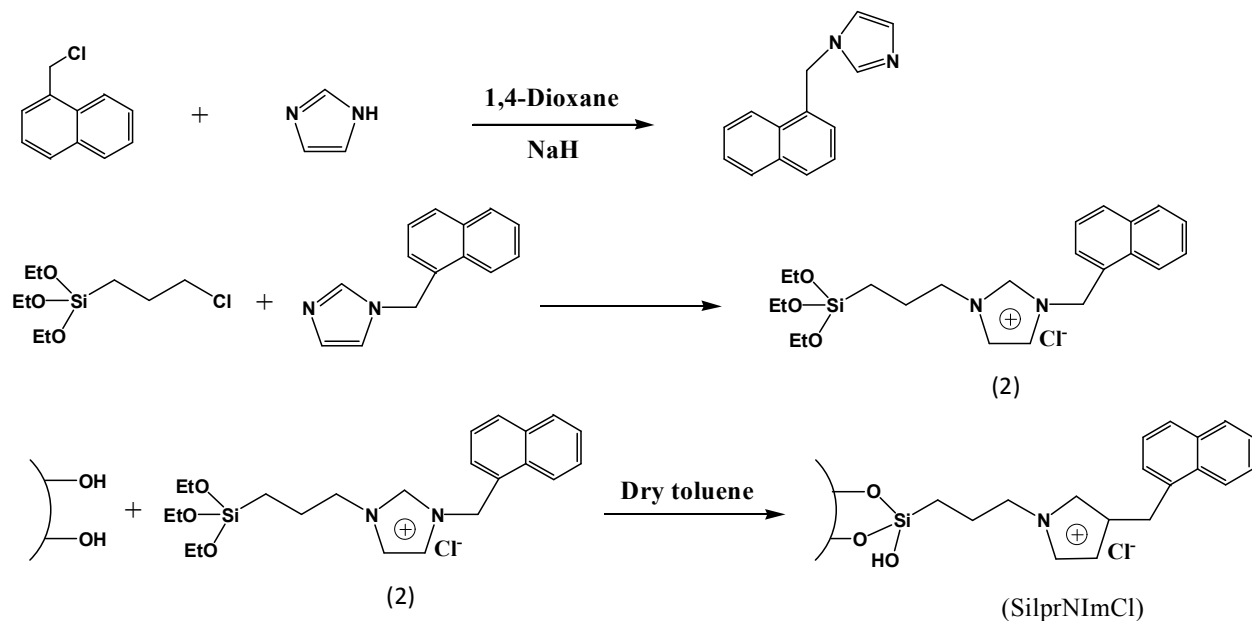
(a School of Environment, Henan Normal University, Xinxiang 453007, China.

b School of Chemistry and Chemical Engineering, Henan Key Laboratory for Environmental Pollution Control, Key Laboratory for Yellow River and Huai River Water Environment and Pollution Control, Ministry of Education, Henan Normal University, Xinxiang 453007, China)

I. Preparation of SilprBImCl



II. Preparation of SilprNImCl



III. Preparation of SilprAImCl

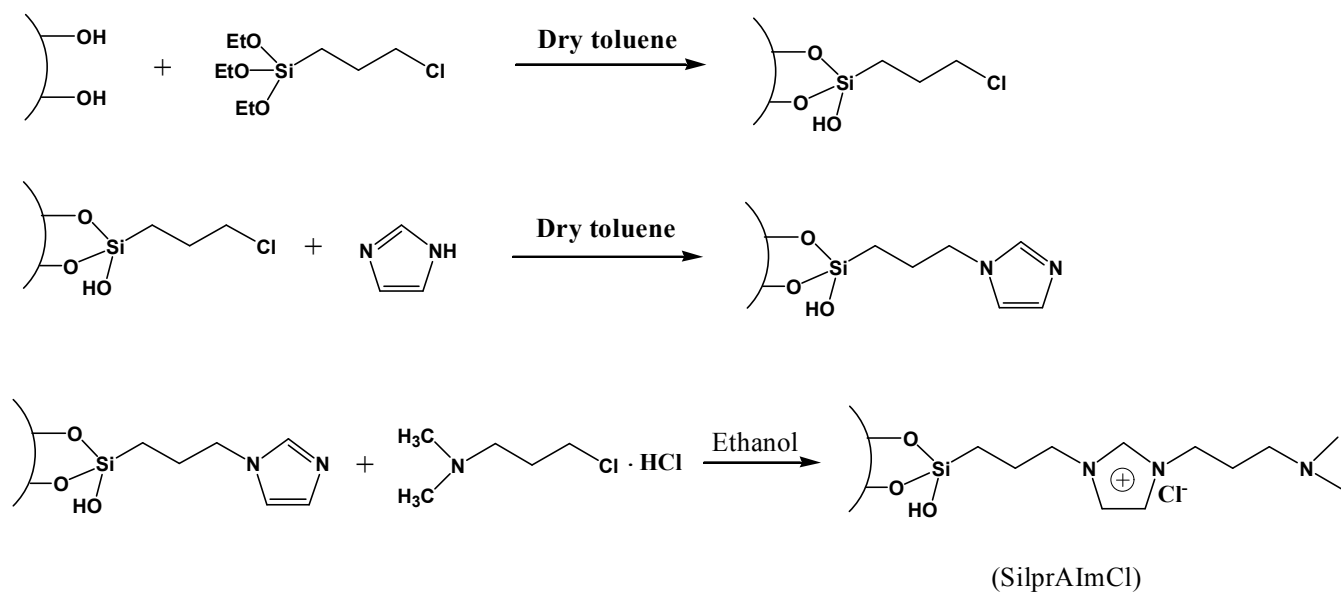
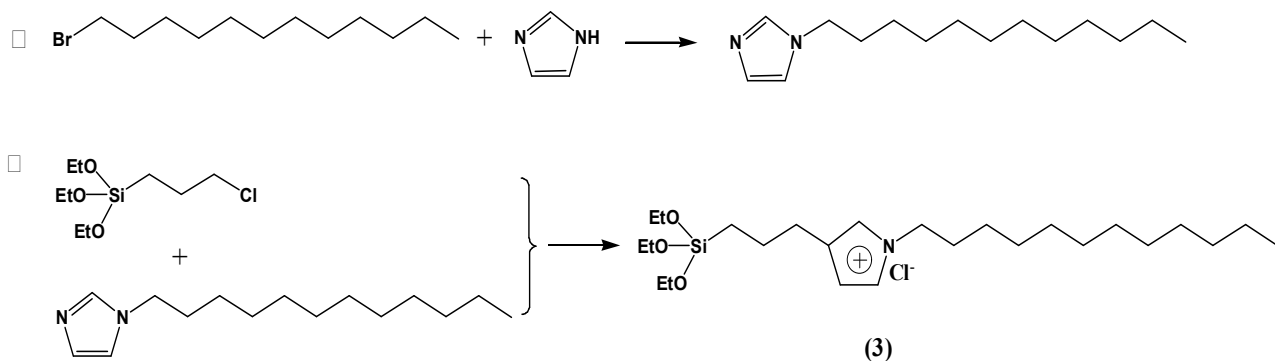
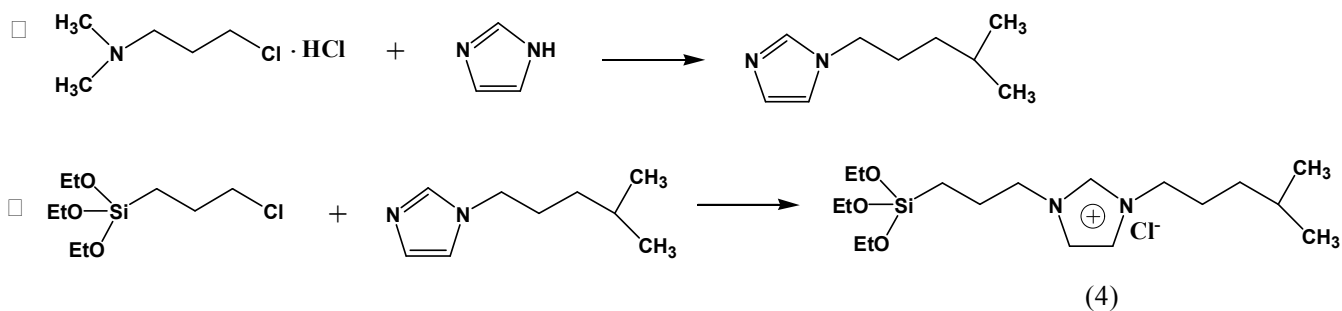


Fig. S1. Preparation of SilprBImCl, SilprNImCl and SilprAImCl.

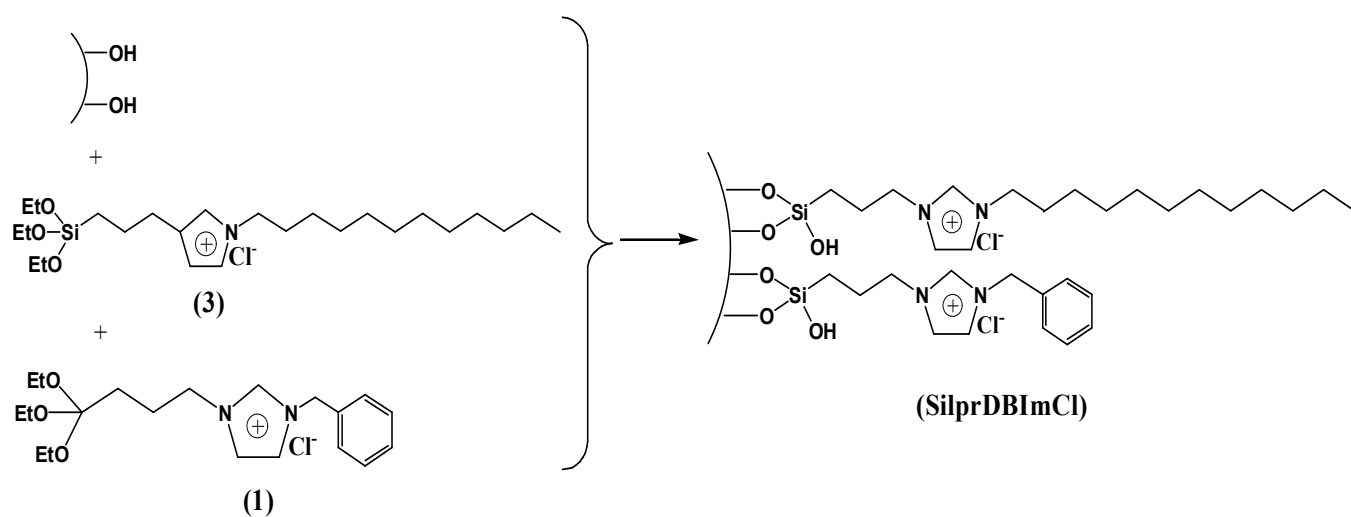
I. Preparation of (3-(1-dodecylimidazolyl)propyl)triethoxysilane (product (3))



II. Preparation of (3-(1-(N,N-dimethylaminopropyl))imidazolyl)propyl)triethoxysilane



III. Preparation of SilprDBImCl



IV. Preparation of SilprDAImCl

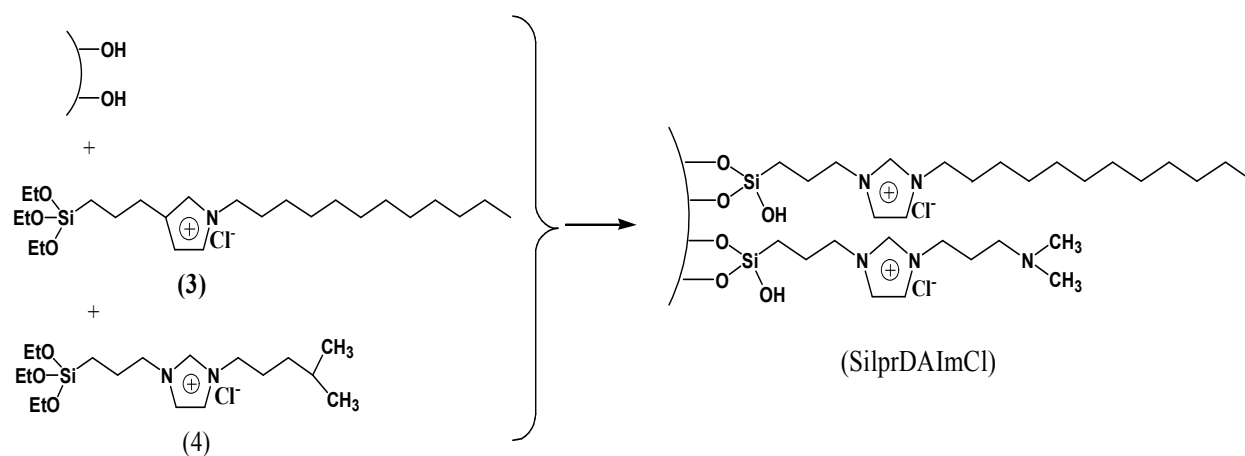


Fig. S2. Preparation of SilprDBImCl and SilprDAImCl.