10.1071/CH14492_AC ©CSIRO 2015 Australian Journal of Chemistry 2015, 68 (6), 981-986

SUPPLEMENTARY MATERIAL

Catalytic olefin hydroalkoxylation by nano particles of pollucite

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All samples were monitored by GC-mass spectroscopy. All GC chromatograms had same pattern as were shown below with peaks related to reactants (methanol and acrylonitrile), product and internal standard (*o*-xylene), respectively. Peak is related to the product was analyzed by mass spectroscopy. The mass spectrum of each product is given below.



Figure S1. GC chromatogram of the reaction of Methanol with Acrylonitrile (table 1).



Figure S2. Mass spectrum of methyl 3-ethoxy propanoate (MEP), product of the reaction of methyl acrylate and ethanol in Table 1.



Figure S3. Mass spectrum of methyl 3-phenoxy propanoate (MPP), product of the reaction of methyl acrylate and phenol in Table 1.



Figure S4. Mass spectrum of ethyl 3-phenoxy propanoate (EPP), product of the reaction of ethyl acrylate and ethanol in Table 1.



Figure S5. Mass spectrum of 1-(2-methoxyethoxy)-2-methylpropane (MEMP), product of the reaction of isobutylvinylether and methanol in Table 1.



Figure S6. Mass spectrum of (2-iso buthoxyethoxy benzene) (IBEB), product of the reaction of isobutylvinylether and phenol in Table 1.