

SYNTHESIS OF 1-METHYL-3-VINYLMIDAZOLIUM SALTS. *R. Wilson, T.W. Smith,* * *Department of Chemistry,* rewsch@rit.edu, twssch@rit.edu.

Disymmetric 1, 3-dialkyl imidazolium salts are typical room temperature ionic liquids. Marcilla et al.,[†] have reported the synthesis of 1-vinyl-3-ethyl imidazolium salts by alkylation to yield polymerizable room temperature ionic liquids.

In the present research, 1-methyl-3-vinylimidazolium iodide was synthesized and ion exchanged. In one procedure, ion exchange was carried out with an appropriately derivatized ion exchange resin. In another ion exchange was realized by metathesis. The chemistry involved in these processes will be described in detail.

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[†] **Rebeca Marcilla, J. Alberto Blaquez, Javier Rodriguez, Jose A. Pomposo, David Mecerreyes, J.** Polym. Sci. Part A: Polym. Chem.: Vol. 42, 208-212 (2004)