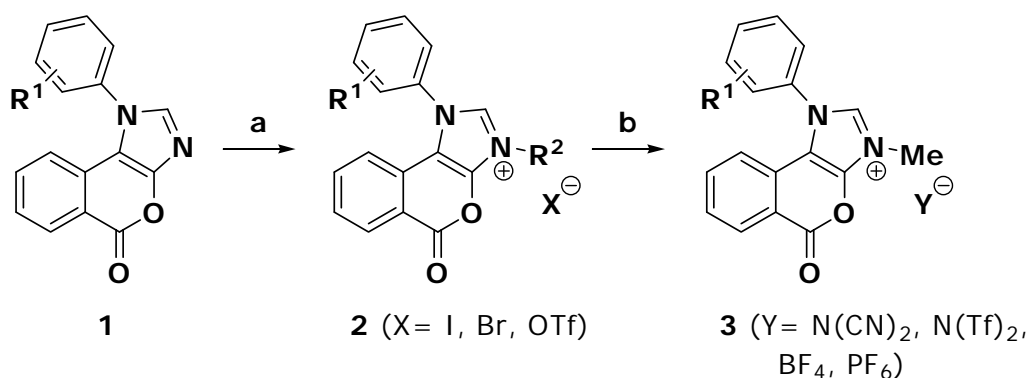


STUDY ON THE SYNTHESIS, REACTIVITY AND MELTING POINTS OF NOVEL 1*H*-ISOCHROMENO[3,4-*d*]IMIDAZOL-1-ONIUM SALTS

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Extending our work on the continuous flow synthesis of 3,4-diamino-1*H*-isochromen-1-ones and 1*H*-isochromeno[3,4-*d*]imidazol-1-ones (**1**),^{i,ii} we recently developed a straightforward and convenient protocol for the conversion of the latter imidazoles into the corresponding imidazolium salts (**2,3**). Employing either a quaternization (**a**) or an anion metathesis (**b**) strategy, we successfully obtained an array of these novel salts. The influence of the nature of the anion on their melting point was investigated.



ⁱ D.R.J. Acke, C.V. Stevens, *Green Chem.* **2007**, *9*, 386–390.

ⁱⁱ D.R.J. Acke, C.V. Stevens, B.I. Roman, *Org. Proc. Res. Dev.* **2008**, *12*, 921–928.