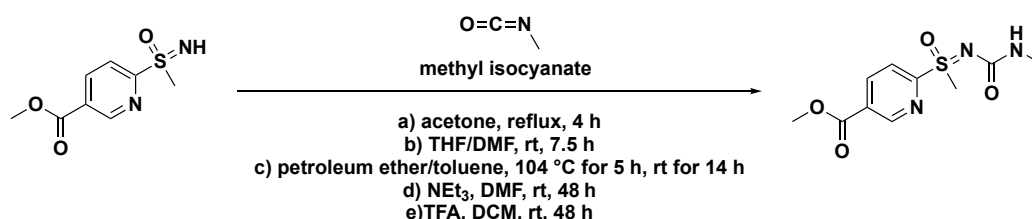


6-Mercapto-nicotinic acid methyl ester  
 CAS Number: 74470-34-1  
 Sigma Aldrich: 1 g costs 561.54

Methyl 6-(methylthio)nicotinate  
 CAS Number: 74470-40-9  
 Sigma Aldrich: 1 g costs 368.09 EUR



**Step 1:** S. J. Dunne, L. A. Summers, E. I. Von Nagy-Felsobuki, *Phosphorus, Sulfur Silicon Relat. Elem.* **1992**, *72*, 103-119; **Step 2:** M. Zenzola, R. Doran, L. Degennaro, R. Luisi, J. A. Bull, *Angew. Chem. Int. Ed.* **2016**, *55*, 7203-7207; *Angew. Chem.* **2016**, *128*, 7319-7323; **Step 3:** a) C. P. Whittle, C. G. Macdonald, G. F. Katekar, *Organic Mass Spectrometry* **1974**, *9*, 422-34; b) H. Kawanishi, H. Morimoto, T. Nakano, T. Watanabe, K. Oda, K. Tsujihara, *Heterocycles* **1998**, *49*, 181-189; c) U. Luecking, D. Nguyen, A. Von Bonin, O. Von Ahsen, M. Krueger, H. Briem, G. Kettschau, O. Prien, A. Mengel, K. Krolikiewicz, U. Boemer, U. Bothe, I. Hartung, WO2007071455 (B1) **2007**; d) U. Lueking, G. Siemeister, B. Bader, WO2007079982 (A1) **2007**; e) C. Gnam, T. Oost, EP3107911 (B1) **2018**.