organo-selenium compounds, heterocyclic C derivatives

S 0136 02 - 223 Synthesis, Characterization, and X-Ray Crystallographic Structure of 1, 3-Dimethyl-2(3H)-imidazoleselone (III). — (WILLIAMS, D. J.; FAWCETT-BROWN, M. R.; RAYE, R. R.; VANDERVEER, D.; PANG, Y. T.; JONES, R. L.; BERGBAUER, K. L.; Heteroat. Chem. 4 (1993) 4, 409-414; Dep. Chem., Kennesaw State Coll., Marietta, GA 30061, USA; EN)

$$\begin{array}{c} \text{1. Me} \rightarrow \text{(II)} \\ \text{Et} \rightarrow \text{O-Ac}, 25^{\circ}\text{C}, \text{ [40 min]} \\ \hline 2. \text{Se, } \text{K}_2\text{CO}_3, \text{Me} \rightarrow \text{OH} \\ \text{reflux, [24 h]} \\ \text{III } 72\% \\ \end{array} \begin{array}{c} \text{Se} \\ \text{O} \rightarrow \text{25}^{\circ}\text{C}, \text{ [40 min]} \\ \text{IV } 83\% \\ \end{array}$$

III
$$\frac{0.5 \text{ equiv. Br}_2}{0 -> 25^{\circ}\text{C}} \Rightarrow \text{Me} \quad \text{Me}$$