

O11

ON THE ELECTROFLUORINATION OF DERIVATIVES OF
MORPHOLINE AND PIPERIDINE

H. Meinert, R. Fackler, J. Mader and P. Reuter

Anorganische Chemie, Universität Ulm, Parkstrasse 11, D-7900 Ulm (F.R.G.)

Electrochemical fluorination of derivatives of morpholine and piperidine gave the corresponding perfluorinated compounds with several other fluorinated products, mainly arising from fragmentation reactions. In this way, from bicyclic systems monocyclic derivatives of N-alkyl-morpholine or N-alkyl-piperidine are formed.

A separation of bicyclic products from monocyclic N-alkyl-derivatives with similar boiling points was found by fractionated adsorption on molecular sieves.

From the results comments are made about the mechanism of electro-fluorination.