

C-5

CYCLISATIONS INITIATED BY SOLVOLYSES OF α -CF₃ SULFONATES AND α -CF₃ ALCOHOLS

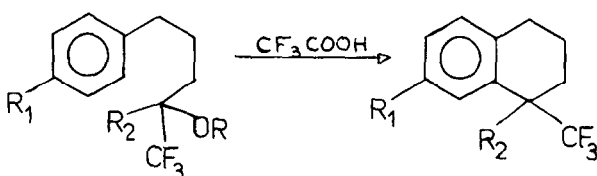
C. Cambillau, D. Bonnet-Delpon, M. Charpentier*, M. Ourevitch

C.N.R.S. B.P. 28 Thiais 94320 (France)

and R. Jacquot

Rhône-Poulenc — Spécialités Chimiques, Décines 69 (France)

The following reactions have been studied :



$$R = \text{H}, \text{SO}_2\text{CH}_3, \text{SO}_2\text{CF}_3 (\text{depending on } R_2)$$

$$R_1 = \text{H}, \text{OCH}_3, \text{CH}_3$$

$$R_2 = \text{H}, \text{C}_6\text{H}_5$$

Cyclization occurred for $R_2 = \text{H}$ and C_6H_5 but failed for $R_2 = \text{CH}_3$. The results will be discussed in terms of stability of the incipient carbocation $R_2-\overset{+}{C}-\text{CF}_3$ related to internal long range participation.