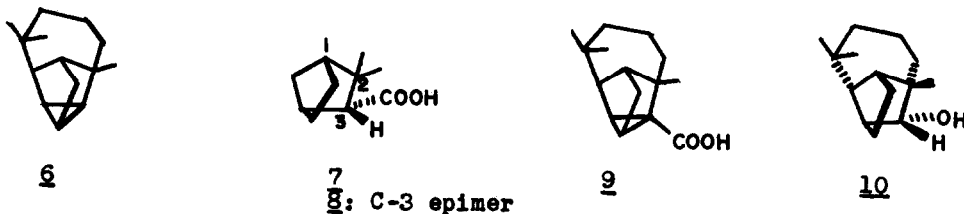




$Pb^{IV}/Cu^{II}$  oxidative decarboxylation of acids is unprecedented. In a comparative study of the monoterpene analog of 2b viz. the norcamphyl cation



(generated in a similar fashion by applying the Kochi reaction conditions to camphenilanic acid 7 and isocamphenilanic acid 9) no trace of norcyclene could be detected (GLC) and the product consisted of only a mixture of acetates (55%). It may be relevant to mention here that pseudo-longifolic acid 9 was highly resistant to  $Pb^{IV}/Cu^{II}$  under the above conditions and could be recovered unscathed.

#### REFERENCES AND NOTES

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- 2 Newer Aspects of Longifolene-II.
- 3 R. Ranganathan, U. R. Nayak, T.S. Santhanakrishnan and Sukh Dev, Tetrahedron **26**, 621 (1970).
- 4 Review: R.A. Sheldon and J.K. Kochi, Organic Reactions **19**, pp.279-421 (1972).
- 5 U.R. Nayak and Sukh Dev, Tetrahedron **19**, 2293 (1963).
- 6 It has also been experimentally found that the norlongifolyl radical (via *t*-butyl perisolongifolate) does not give norlongicyclene but forms norlongifolane: J. Lhomme and G. Ourisson, Tetrahedron **24**, 3177 (1968).
- 7 Acid-catalyzed (*p*-TsOH) dehydration<sup>6</sup> of longicamphenilol 10 generates norlongicyclene in a negligibly poor yield (ca 5%).
- 8 Formation of minor side products with cyclopropane ring (e.g. 6 ca 5%) has been observed in the  $Pb(OAc)_4$  reaction on the longifolols<sup>6</sup>.
- 9 G. Mehta, U. R. Nayak and Sukh Dev, Tetrahedron **24**, 4105 (1968).