

cholesterol as a constant metabolite of ^3H -campesterol, the efficient conversion of ^3H -24-methylenecholesterol to ^3H -cholesterol, and the fact that desmosterol is a common intermediate in the conversion of both campesterol and 24-methylenecholesterol to cholesterol, all serve to substantiate our premise (2) that 24-methylenecholesterol is an intermediate in the conversion of campesterol to cholesterol in the tobacco hornworm. These findings also tend to support our previous suggestion that the process of C-24-dealkylation of sterols in insects may, at least in part, be the reverse of the C-24-alkylation mechanism in plants (1,2).

J. A. SVOBODA
M. J. THOMPSON
W. E. ROBBINS
Insect Physiology Laboratory
Agricultural Research Service
USDA
Beltsville, Maryland 20705

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REFERENCES

1. Svoboda, J.A., M.J. Thompson and W.E. Robbins, *Nature New Biology* 230:57 (1971).
2. Svoboda, J.A., and W.E. Robbins, *Experientia* 24:1131 (1968).
3. Svoboda, J.A., M. Womack, M.J. Thompson and W.E. Robbins, *Comp. Biochem. Physiol.* 30:541 (1969).
4. Svoboda, J.A., M.J. Thompson and W.E. Robbins, *Life Sci.* 6:395 (1967).
5. Ritter, F.J., and W.H.J.M. Wientjens, *TNO Nieuws* 22:381 (1967).
6. Thompson, M.J., J.A. Svoboda, J.N. Kaplanis and W.E. Robbins, *Proc. Roy. Soc. (London) Ser. B*, in press.
7. Thompson, M.J., O.W. Berngruber and P.D. Klein, *Lipids* 6:233 (1971).

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ERRATUM

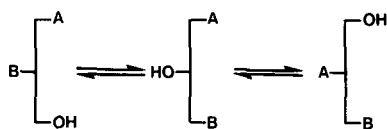


FIG. 3. Isomerization of *sn*-1,2-diacyl glycerol.

Captions under Figures 3 and 4 in "The Structural Analysis of Wheat Flour Glycerolipids" (*Lipids* 6:768[1971]) were inverted. Figures 3 and 4 with appropriate captions are reprinted on this page.

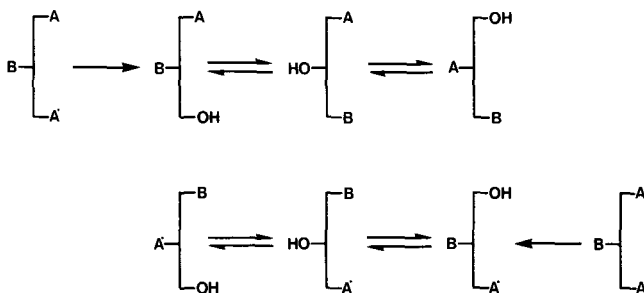


FIG. 4. Isomeric diglycerides after lipolysis of a triglyceride.