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### EPIMERISATION OF 2-SUBSTITUTED 5,5-DIMETHYL-THIAZOLIDINE-4-CARBOXYLIC ACID

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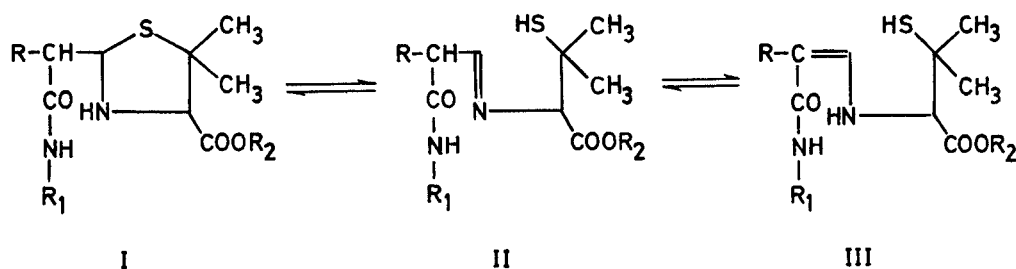
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# EPIMERISATION OF 2-SUBSTITUTED 5,5-DIMETHYL-THIAZOLIDINE-4-CARBOXYLIC ACID

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In connection with our work on 2-monosubstituted 5,5-dimethyl-thiazolidine-4-carboxylic acid we report the epimerisation of some derivatives of penicilloic acid(I) derived from 6-epi-penicillins.



It has been established that the epimerisation occurred first at position C-2, due to the opening of thiazolidine ring(II) and then at position adjacent to position C-2, due to the formation of penamaldic acid intermediate(III).

The mechanism and steric course of the isomerisation will be considered and compared to previously proposed one for the epimerisation of penilloic acid.