Communications to the editor

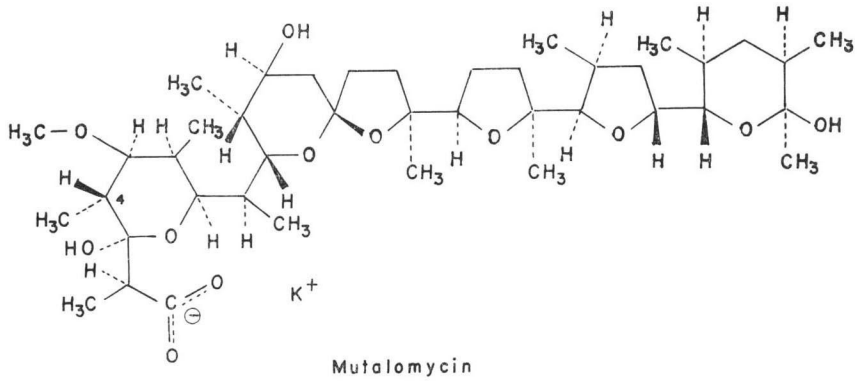
CORRECTION OF THE STEREO STRUCTURES OF MUTALOMYCIN, NOBORITOMYCIN A AND NOBORITOMYCIN B

Sir:

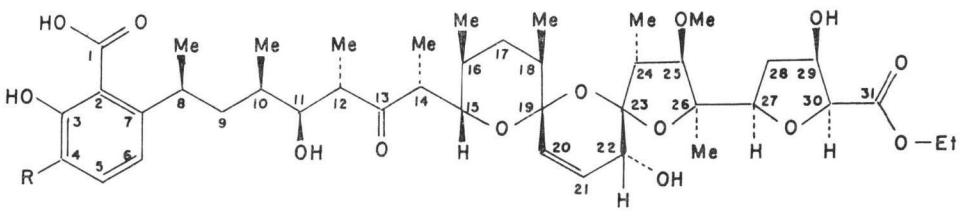
Recently we reported the structures of the new polyethers mutalomycin[1], noboritomycin A and noboritomycin B[2]. Based on the ^{13}C-NMR data Dr. HARUO SETO, University of Tokyo, came to the conclusion that the absolute configurations at C-4 in mutalomycin and at C-23 in noboritomycins A and B must be inverse to those given in our formulae. Re-checking our X-ray crystallographic results we find that indeed two errors have occurred during the transformations of the three dimensional structures into the planar stereo formulae.

Another correction concerns the formula of salinomycin and narasin A in our paper[2]. These drawings taken from a review[3] show a wrong configuration at C-21. In fact salinomycin and narasin A have the inverse configuration at carbon 21[4,5].

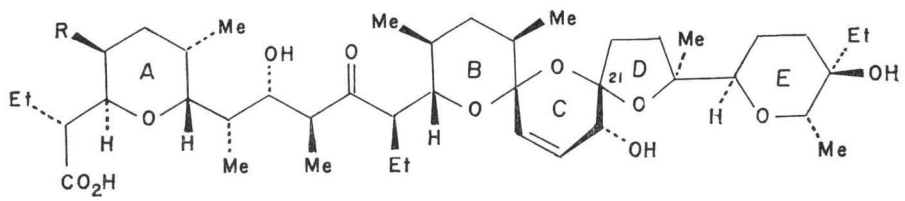
Thus the analogous carbon atoms in the noboritomycins A and B (C-23) and in salinomy-



Mutalomycin



R = Me Noboritomycin A
R = Et Noboritomycin B



R = H Salinomycin
R = Me Narasin A

cin and narasin A (C-21) have the same configuration.

The correct stereo structures of the mentioned polyethers are indicated above.

Acknowledgement

The authors wish to express sincere thanks to Dr. HARUO SETO, Institute of Applied Microbiology, The University of Tokyo, for these informations.

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(Received January 23, 1979)

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