

Short Communications

Contact dermatitis to isoconazole nitrate

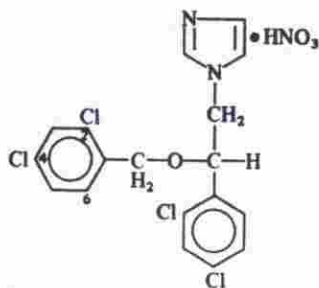
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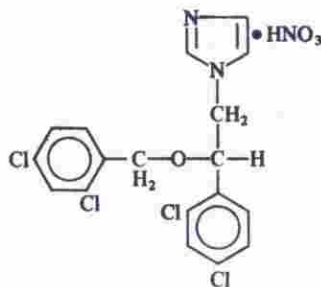
Key words: Contact dermatitis - isoconazole nitrate.

Isoconazole nitrate belongs to the topical broad spectrum of antimycotic agents, known in this country as Travogen® solution and cream, and is an isomer of miconazole nitrate (Daktar®) which differs from

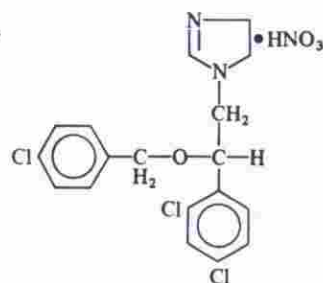
econazole nitrate (Epi-Pevaryl®) by one Cl-atom. The topical antimicrobial activity essentially corresponds to miconazole, whereas the activity of econazole is rather higher (1).



Miconazole nitrate



Isoconazole nitrate



Econazole nitrate

Case Report

A 48-year-old non-atopic woman from the countryside with tinea on the dorsum of her right hand was treated with Travogen solution (Schering AG, Berlin). After 4 weeks of local treatment twice daily, she developed an itchy erythematous eruption which spread over the whole dorsum of her right hand and forearm.

After healing by application of a steroid cream, patch tests with the constituents of Travogen® solution were arranged and the results were as follows:

	48 h	72 h
ICDRG standard series	-	-
Polyethyleneglycol 400 10% in aq. dest.	-	-
Isoconazole nitrate 1% pet.	++	++
Isoconazole nitrate 5% pet.	++	++
10 controls	-	-

Contact sensitivity to imidazole derivatives is rare. Van Hecké & van Brabant (2) reported 2 cases of econazole and miconazole contact allergy. Mücke (3) demonstrated 1 case each of miconazole, econazole and tolclatate contact sensitivity without giving details of the patch test concentrations. Our case described above is the first one of isoconazole contact allergy.

References

1. Raab W. *Mykosebehandlung mit Imidazolderivaten*. Berlin: Springer-Verlag, 1978: 17-23.
2. van Hecké E, van Brabant S. Contact sensitivity to imidazole derivatives. *Contact Dermatitis* 1981; 7: 348-349.
3. Mücke C. Ein Fall von Überempfindlichkeit gegen Miconazol, Econazol und Tolclat. *Dermatosen in Beruf und Umwelt* 1980; 28: 118.

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