

# Rubronigrin, nové antibiotikum z *Trichophyton rubrum* var. *nigricans*

Rubronigrin, new antibiotic substance from *Trichophyton rubrum* var. *nigricans*

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Černě pigmentující kultury *Trichophyton rubrum* (Cast.) Sabouraud var. *nigricans* Frágrner vytvářejí antibiotikum, které jsme nazvali „rubronigrin“. Účinné roztoky je možno získat z masy mycelia destilací, z tekutých živných půd adsorbci na aktivní uhlí a následující destilací aktivního uhlí. Opakovanou destilací a adsorbci lze látku koncentrovat a do jisté míry purifikovat.

Naše koncentráty jsou účinné na *Cryptococcus neoformans*, *C. laurentii*, *C. diffluens*, *C. albidus*, *Torulopsis globosa*, *T. stellata*, *Candida albicans*, *C. humicola*, *C. japonica*, *Sporotrichum schenckii*, *Aspergillus niger*, *A. fumigatus*, *Mucor pusillus*, *Rhizopus oryzae*, *Trichophyton schoenleinii*, *T. mentagrophytes* var. *quinckeanum*, *T. mentagrophytes* var. *interdigitale*, *Rhodotorula mucilaginosa*, *Debaryomyces hansenii*, *Trichosporon cutaneum* a *Saccharomyces heterogenicus*. Méně účinné jsou na *Candia tropicalis*, *C. krusei*, *Torulopsis jamata*, *Rhodotorula minuta*, *Scopulariopsis brevicaulis*, *Trichophyton rubrum* a *T. rubrum* var. *nigricans*. Neúčinné jsou na *Torulopsis glabrata* a *Geotrichum candidum*.

The cultures of *Trichophyton rubrum* (Cast.) Sabouraud var. *nigricans* Frágrner, which create a black pigment, produce the antibiotic substance we have called "rubronigrin". Effective solutions can be obtained from mycelium by means of distillation. The effective substance can be separated from the liquid cultivating medium by application of the adsorption on the active coal and by following distillation of the active coal. The effective substance can be concentrated and partly purified by repeated distillation and adsorption.

Our concentrates are effecting on *Cryptococcus neoformans*, *C. laurentii*, *C. diffluens*, *C. albidus*, *Torulopsis globosa*, *T. stellata*, *Candida albicans*, *C. humicola*, *C. japonica*, *Sporotrichum schenckii*, *Aspergillus niger*, *A. fumigatus*, *Mucor pusillus*, *Rhizopus oryzae*, *Trichophyton schoenleinii*, *T. mentagrophytes* var. *quinckeanum*, *T. mentagrophytes* var. *interdigitale*, *Rhodotorula mucilaginosa*, *Debaryomyces hansenii*, *Trichosporon cutaneum* and *Saccharomyces heterogenicus*. A less effect was observed on *Candia tropicalis*, *C. krusei*, *Torulopsis jamata*, *Rhodotorula minuta*, *Scopulariopsis brevicaulis*, *Trichophyton rubrum* and *T. rubrum* var. *nigricans*. Concentrates are inefficient on *Torulopsis glabrata* and *Geotrichum candidum*.