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**Résumé**

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**STUDIES ON ANTIFUNGAL  
ACTIVITY OF THIOBIS-  
HALOGENOPHENOLS**

YOSHIO TASHIKA, HIROSHI OHYA,

HIROSHI TSUBOKAWA &amp; KAZUO IWATA

Research Division, Chugai Pharmaceutical  
Company, and Department of Bacteriology,  
School of Medicine, University of Tokyo  
(Director : Prof. TOMOICHIRO AKIBA)

Two thiobis-phenol compounds, 2,2'-thiobis (4-chlorophenol) (I) and 2,2'-thiobis (4,6-dichlorophenol) (II) were examined upon the antifungal activity and its related properties.

Both of them showed, generally, stronger antifungal action than the other tested antifungal agents except for phenyl mercuric acetate on *Candida albi-*

*cans* and *Trichophyton mentagrophytes*. They also showed strong inhibitory effects on several species of pathogenic fungi including the above two; II was stronger than I in fungistatic action, while I was stronger than II in fungicidal action. The increase of pH value of medium resulted in the enhancement of inhibitory effects of both chemicals on *Candida albicans*.

The thiobis-phenol compounds were also recognized to exhibit inhibitory action on *Trichomonas vaginalis*.

Resistance was produced in both compounds by transferring *Candida albicans* into medium containing series of the increasing amount; I was more difficult to make the organism resistant than II. The reversion of the resistance was also faster in I-resistant strain than in II-resistant. Cross resistance was recognized to exist between I-resistant strain and II but not between the II-resistant and I.

Toxicity of the compounds may be relatively low, so far as the mice experiments concern.