

Biotransformation of the Phytoestrogen 8-Prenylnaringenin

Agnieszka Bartmańska*, Tomasz Tronina, and Ewa Huszcza

Department of Chemistry, Wrocław University of Environmental and Life Sciences,
Norwida 25, 50-375 Wrocław, Poland. Fax: +4 87 13 28 41 24.

E-mail: agnieszka.bartmanska@up.wroc.pl

* Author for correspondence and reprint requests

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In order to select microorganisms capable of transforming the potent phytoestrogen 8-prenylnaringenin, preliminary screening tests on 30 fungal cultures were performed. No reports concerning successful biotransformation of 8-prenylnaringenin by this class of organisms have been known so far. *Fusarium equiseti* converted 8-prenylnaringenin into 2''-(2'''-hydroxyisopropyl)-dihydrofuran-[2'',3'':7,8]-5,4'-dihydroxyflavanon in high yield.

Key words: 8-Prenylnaringenin, Biotransformation, *Fusarium equiseti*