6’-Hydroxy-3’-methoxy-mitoruburin

1. Discovery, producing organism and structure
6’-Hydroxy-3’-methoxy-mitoruburin was found in a cultured broth of a fungal strain, *Penicillium radicum* (current name: *Talaromyces radicus*) FKI-3765-2 together with two known analogs, 4’-hydroxy-3’-methoxy-mitoruburin and monomethoxy-mitoruburin. They were found to be potentiators of the antifungal activity of miconazole against *Candida albicans*.

2. Physical data
Brown solid. C_{22}H_{20}O_{8}; mol wt 412.39. Sol. in MeOH, DMSO.

3. Biological activity
1) Miconazole-potentiating activity
In the paper disc method, 6’-hydroxy-3’-methoxy-mitoruburin showed no antifungal activity against *Candida albicans* even at 50 µg/6mm disc. However, 6’-hydroxy-3’-methoxy-mitoruburin displayed dose-dependent inhibition zones on the GY agar containing 0.060 µM miconazole.

4. Reference