

4-Hydroxykigelin and 6-Demethylkigelin, Root Growth Promoters, Produced by *Aspergillus terreus*

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Root growth promoters, 4-hydroxykigelin (**1**) and 6-demethylkigelin (**2**), together with 6-hydroxymellein (**3**) were isolated from cultures of the fungus *Aspergillus terreus* and their structures were identified by spectroscopic analysis. The biological activities of the three dihydroisocoumarins, **1**, **2**, and **3**, have been examined using a bioassay method with lettuce seedlings. Furthermore, interactions between the dihydroisocoumarins and indole-3-acetic acid against the root growth have been examined.

Key words: 4-Hydroxykigelin, 6-Demethylkigelin, Root Growth Promoter