Germination Inhibitor from the Japanese Cedar Cryptomeria japonica Xiao Hui Chen[§], Takehiro Kashiwagi^{§§}, Shin-ichi Tebayashi^{*}, and Chul-Sa Kim

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Z. Naturforsch. **60 c**, 79–82 (2005); received September 6/November 8, 2004 (1*S*,6*R*)-2,7(14),10-Bisabolatrien-1-ol-4-one was identified as a germination inhibitor from the methanol extract of Japanese cedar wood, *Cryptomeria japonica*. The occurrence of this compound in 1 g fresh wood was 2.0 mg, and showed a maximum of 60% germination inhibition at the dose of 20 mg/filter paper (157 µg/cm²) against both of lettuce and rice seeds for

4 d. A selective activity between Dicotyledoneae and Monocotyledoneae seeds was not observed.

Key words: (1S,6R)-2,7(14),10-Bisabolatrien-1-ol-4-one, Cryptomeria japonica,
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