

A new gamma-lactone from the leaves of

Cinnamomum kotoense.

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Abstract

A new C₁₉ gamma-lactone, cinnakotolactone (1), along with a known analogue, isolinderanolide B (2), were isolated from the n-hexane layer of the leaf extracts of *Cinnamomum kotoense*. Their structures were elucidated on the basis of spectroscopic analysis. The anti-proliferation activities of 1 and 2 were evaluated against human HT29 and MCF-7 cancer cell lines, and their IC₅₀ values ranged from 3.3 +/- 0.3 to 25.8 +/- 5.3 microM.