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Chemical constituents of the stems of *Neolitsea kedahensis* Gamble (Article)

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Abstract

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Two new β -carboline alkaloids, daibucarbolines D (1) and E (2) and one new sesquiterpene dilactone, pseudovillosine (3), together with five known compounds, taraxerone, taraxerol, pseudoneoliacine, daibucarboline A and linderaggrine A were isolated from the stems of *Neolitsea kedahensis* (Lauraceae). The structures were confirmed through extensive spectroscopic analysis, while the relative configuration of compound (3) was determined by a single crystal X-ray diffraction. © 2018

Author keywords

Lauraceae Neolitsea kedahensis Sesquiterpene dilactone β -carboline alkaloid

Indexed keywords

EMTREE drug terms:

antibiotic agent daibucarboline a daibucarboline d daibucarboline e linderaggrine a
Neolitsea kedahensis extract plant extract pseudoneoliacine pseudovillosine taraxerol
taraxerone unclassified drug

EMTREE medical terms:

antibacterial activity Article carbon nuclear magnetic resonance chemical composition
controlled study diastereoisomer drug absorption heteronuclear multiple bond correlation
heteronuclear multiple quantum coherence Lauraceae Neolitsea kedahensis nonhuman
nuclear Overhauser effect plant stem priority journal proton nuclear magnetic resonance
stereochemistry thin layer chromatography X ray crystallography X ray diffraction

Chemicals and CAS Registry Numbers:

taraxerone, 514-07-8

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Funding number

Funding sponsor

Acronym

Funding opportunities

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