

Persicasulphide C, a new sulphur-containing derivative from *Ferula persica*

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Abstract

A new sulphur-containing compound, persicasulphide C, was isolated from the roots of *Ferula persica*, and its structure was characterised by ¹D- and ¹³C-NMR spectroscopy as well as HRMS. In addition, closer inspection of NMR spectra of the previously reported polysulphides (persicasulphides A and B) revealed that their structures are slightly different from those reported. In this article, the correct structures of persicasulphides A and B are also presented. © 2009 Taylor & Francis.

Reaxys Database Information

Author keywords

Apiaceae; *Ferula persica*; Roots; Sulphur-containing derivative

Indexed Keywords

EMTREE drug terms: persicasulphide C; sulfide; sulfur derivative; synthetase; unclassified drug

EMTREE medical terms: article; carbon nuclear magnetic resonance; chemical analysis; chemical structure; fennel; heteronuclear multiple bond correlation; heteronuclear single quantum coherence; isolation procedure; nonhuman; plant root; proton nuclear magnetic resonance

MeSH: *Ferula*; Magnetic Resonance Spectroscopy; Mass Spectrometry; Molecular Structure; Plant Roots; Sulfur Compounds

Medline is the source for the MeSH terms of this document.

Species Index: Apiaceae; *Ferula persica*

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