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Two new polychiral pyrones from *Orthosiphon diffusus*

Akanksha Sharma¹, Harish Holla¹ and Biswanath Das²

¹Central University of Karnataka, India

²Indian Institute of Chemical Technology, India

Chemical investigation on *Orthosiphon diffusus* resulted in the isolation of two new polychiral furanopyrans, orthodiffenes E-F (5-6) along with earlier reported polychiral furanopyrans, orthodiffenes A-D (1-4). The new molecules were characterized from the detailed studies of their 1D, 2D NMR spectra and mass spectra. Orthodiffenes A-D (1-4) has been reported earlier to be significantly cytotoxic against cancer cell lines. The new molecules orthodiffenes E-F (5-6) are expected to be cytotoxic against cancer cell lines due to structural similarity to orthodiffenes A-D (1-4).

Biography

Akanksha Sharma is a Research Scholar pursuing her PhD from Central University of Karnataka. She has completed her MPharm from Central University of Punjab.

akanksha.rph@gmail.com

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