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CYTOTOXIC PYRAN BASED CEMBRANOIDS FROM SARCOPHYTON GLAUCUM

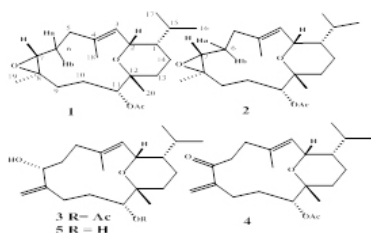
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Four new pyran-based cembranoidal diterpenes were isolated from the Red Sea soft-bodied coral *Sarcophyton glaucum*. Sarcoglauphine A (1) and B (2) are conformers with respect to the dihedral angle between H-7 and the pair of H-6a, 6b, while sarcotrocheliol-B acetate (3) and sarcotrochelione (4) are bicyclic cembranoids. The chemical structures of the isolated compounds were elucidated using spectroscopic methods. The cytotoxicity of the isolated compounds was evaluated against HepG2, MCF-7 and HCT116 cell lines by employing Sulphorhodamine B (SRB) method. Compounds 1 and 2 showed significant activities toward HCT116

Biography

ZahraA Alsaihati has completed her Master of Sciences in Chemistry from King Abdulaziz University at Saudi Arabia. She holds BSc in Biochemistry from King Abdulaziz University. She was awarded a second prize for the best poster in the 4th international conference and exhibition on Laboratory Technology Conference, which was held in Kingdom of Bahrain. Her research interests include organic analytical separation techniques.

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Figure 1: Compounds isolated from *Sarcophyton glaucum*