



# Urgineaglyceride A: A New Monoacylglycerol from the Egyptian *Drimia maritima* Bulbs

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## Abstract:

One new compound, (2S)-1-O-(Z)-tetracos-6-enoate glycerol (1) named urGINEAGLYCERIDE A, along with six known compounds, 3,5,7,3',5'-pentahydroxydihydroflavonol (2), stigmasterol (3), (25S)-5-furostane-3 $\beta$ -22 $\beta$ -26-triol (4), scillaridin A (5), (2S)-(+)-2-hydroxynaringenin-4'-O- $\beta$ -D-glucopyranoside (6) and quercetin-3'-O- $\beta$ -D-glucopyranoside (7), were isolated from the EtOAc fraction of *Drimia maritima* (L.) Stearn bulbs. Their structures were secured based on their IR, UV, 1D and 2D NMR data, in addition to HR-MS data and comparison with the literature data. The isolated compounds were evaluated for their in vitro growth inhibitory activity against A549 non-small cell lung cancer (NSCLC), U373 glioblastoma (GBM) and PC-3 prostate cancer cell lines. Compounds 2 and 3 displayed variable activities against the tested cancer cell lines. Compound 2 was a selective inhibitor of the NSCLC cell line with an IC<sub>50</sub> of 2.3  $\mu$ M, whereas 3 was selective against GBM with IC<sub>50</sub> of 0.5  $\mu$ M and against PC-3 with 2.0  $\mu$ M.

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