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Liposomes for Drug Delivery and Targeting: Examples of Their Potential from Our Laboratories.. ~~Cytotoxic Effect And Chemical Composition~~

Because strong cytotoxic activity was observed for α -pinene and given that it is a component of the EOMiE, the cytotoxic activity of a mixture of α -pinene and terpinolene was assessed. The α -pinene + terpinolene mixture was less active than the separate compounds and the EOMiE, indicating that there is antagonism between these two

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components.

~~Chemical Composition, Leishmanicidal and Cytotoxic ...~~

Twenty five different components were identified in the CsEO.

Among them, the major detected components were:

Nonadecane, Heneicosane , Naphthalene,

1,2-Benzenedicarboxylic acid dibutylester, Heptadecane,

Hexadecanoic acid, Octadecanoic acid,

1,2-Benzenedicarboxylic acid, Phenyl ethyl tiglate, Eicosene,

Farnesol 3, Camphor, Nerolidol and n-Eicosane.

~~Chemical composition, cytotoxicity effect and ...~~

Its cytotoxic effect was evaluated by MTT assay. Essential oil with main components of α -pinene, trans-caryophyllene and

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1,8-cineole inhibited *P. intermedia* with MIC and MBC values of 0.1 and 0.2 mg/mL.

~~Chemical composition, cytotoxic effect and antimicrobial ...~~

Harada et al. (2002) reported that palmitic acid, present in CsEO, has strong cytotoxic effect on cancer cells. The cytotoxicity of the essential oil could be explained by the wealthy content of this compound and/or the synergic effects of this active chemical with other constituents in the essential oil. Download : Download full-size image; Fig. 3. Cytotoxic effect of CsEO on MCF-7 and HeLa cell lines.

~~Chemical composition, cytotoxicity effect and ...~~

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allow us to effectively and efficiently make use of our obscure skills in addition to knowledge. They combine the showing off we interact past our bosses, co-workers in addition to customers. That is why a strong soft skills set is considered to

~~Cytotoxic Effect And Chemical Composition Of Inula Viscosa~~

Its biofilm formation was higher than α -pinene, followed by trans-caryophyllene and 1,8-cineole. Essential oil and its main components increased the leakage of cytoplasmic components. Essential oil showed cytotoxic effect on HeLa cell lines with IC 50 0.06 mg/mL. The cytotoxic effect of α -pinene on healthy cell lines was higher than essential oil.

~~Chemical composition, cytotoxic effect and antimicrobial ...~~

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...

The main components were 1,8-cineole (23.56%), camphene (12.78%), camphor (12.55%) and α -pinene (12.3%). The antibacterial activity of ROEO was evaluated by micro-dilution method. The oil exhibited inhibition and bactericidal effect

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against two strains: Staphylococcus aureus ATCC 9144 and Staphylococcus epidermidis S61.

~~Chemical composition, anti-biofilm activity and potential ...~~

The investigation was designed to determine the chemical composition, antioxidant and cytotoxic effects of the leaf essential oil of Eucalyptus globulus Labill grown in Nigeria. Fresh leaves of E. globulus on steam distillation yielded 0.96 % (v/w) of essential oil. Investigation of the oil on

~~Chemical composition, antioxidant and cytotoxic effects of ...~~

In this research, we determined the chemical composition of the studied ROEO, its antibacterial, antibiofilm and cytotoxic activities. Various studies have been interested in the

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chemical composition of the ROEO from different countries. The results of ROEO composition are approximately in accordance with those found by Miladi et al. . They reported that the basic compounds were 1,8-cineole (24.10%), camphor (19.87%) and camphene (8.65%), with a remarkably difference in the percentage of □ ...

~~Chemical composition, anti-biofilm activity and potential ...~~

The cytotoxic effects of MEC on different cancer cell lines are presented in Table 6. As the data suggest significant cytotoxic effects were noted in all the studied cancer cell lines treated with extract. The MEC at different concentrations induced gradual growth inhibition in HepG2, MCF7, Caco-2 and A549cells.

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~~Chemical Composition, Antioxidant, Anti-Inflammatory and ...~~

The chemical composition of essential oils is often variable among different plants and even between different plant parts. In addition, the composition may also differ according to the site of collection (geographical provenance), as their components play a major role in the plant adaptation to the ecology and the environment, including biotic and abiotic factors [1 , 2].

~~Evaluation of the cytotoxic effect and antibacterial ...~~

The chemical composition, anti-inflammatory, cytotoxic and antioxidant activities of essential oil from leaves of *Mentha piperita* (MEO) grown in China were investigated. Using GC-

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MS analysis, the chemical composition of MEO was characterized, showing that it was mainly composed of menthol, menthone and menthy acetate.

~~Chemical Composition and Anti-Inflammatory, Cytotoxic and ...~~

Chemical composition, antioxidant, antitumor, anticancer and cytotoxic effects of Psidium guajava leaf extracts Pharm Biol. 2016 Oct;54(10):1971-81. doi:

10.3109/13880209.2015.1137604. Epub 2016 Feb 3. Authors Aisha Ashraf 1 ...

~~Chemical composition, antioxidant, antitumor, anticancer ...~~
their cytotoxic effects on OSA cells. The chemical

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composition was analyzed by GC-MS and the DPPH free radical scavenging activity was measured. Cluster and principal components analysis were used to establish an association with their inhibitory concentration 50% (IC₅₀). Cell viability was analyzed by MTT assay;

~~The chemical composition and events related to the ...~~

Therefore, the aim of this study was analysis of cytotoxic, antioxidant and antimicrobial activity and chemical composition of rugosa rose petals. Results: Petals of R. rugosa were evaluated for their cytotoxic effect against cervical (HeLa) and breast cancer (T47D) cell lines and for antiradical activity (with DPPH \cdot). As a result, significant cytotoxic (up to 100% of dead cells) and antiradical properties

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(IC₅₀ 1.33-0.08 mg mg⁻¹ DPPH) were demonstrated.

~~Cytotoxic, antioxidant, antimicrobial properties and ...~~

The chemical composition of the essential oil was dominated by sesquiterpenes (78.59%). The major components were identified as (E)-caryophyllene (21.65%), α -pinene (11.75%), spathulenol (4.84%) and caryophyllene oxide (4.62%).

~~Chemical composition, larvicidal and cytotoxic activities ...~~

Therefore, the aim of this study was analysis of cytotoxic, antioxidant and antimicrobial activity and chemical composition of rugosa rose petals. RESULTS. Petals of R. rugosa were evaluated for their cytotoxic effect against cervical (HeLa) and breast cancer (T47D) cell lines and for

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antiradical activity (with DPPH \cdot).

~~Cytotoxic, antioxidant, antimicrobial properties and ...~~

Chemical composition, antimicrobial and cytotoxic activities of essential oils from Schinus polygamus ... Chemical composition, antimicrobial and cytotoxic activities of essential oils from Schinus polygamus ... the bark and leaf oils revealed potent cytotoxic effects on HepG2 and Caco-2 cells with IC 50 values of 1.56 to 24.12 $\mu\text{g}/\text{mL}$...

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