

School of Basic & Applied Sciences

Course Code : MSCH6003

Course Name: Chemistry of Natural Products

The logo of Galgotias University is a stylized 'G' composed of several overlapping, curved bands in shades of yellow, orange, and blue, set against a light pink circular background.

MEDICINAL APPLICATIONS OF TERPENOIDS

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UNIVERSITY**

Name of the Faculty: Dr. Anjali Gupta

Program Name: M.Sc. (Chemistry)

School of Basic & Applied Sciences

Course Code : MSCH6003

Course Name: Chemistry of Natural Products

Prerequisites

Knowledge of basic skeleton of terpenes

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RECAP

General uses of terpenes

General classification

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Learning Outcomes

Medicinal applications of terpenes

Various biological activities

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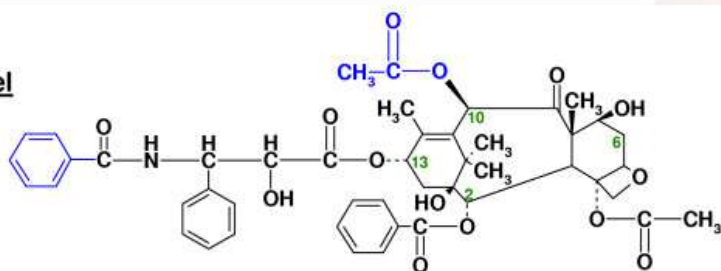
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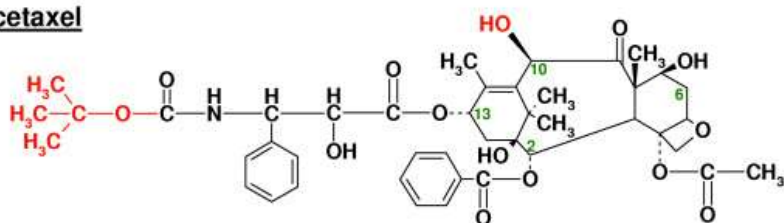
Biological Activities

a) Paclitaxel



Anticancer & Antioxidant Activity

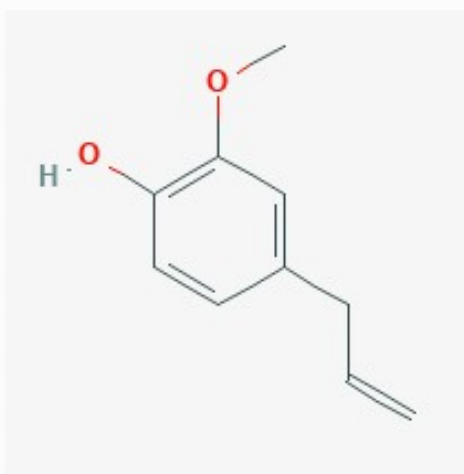
b) Docetaxel



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Eugenol

Antimicrobial & Anthelmintic Activity

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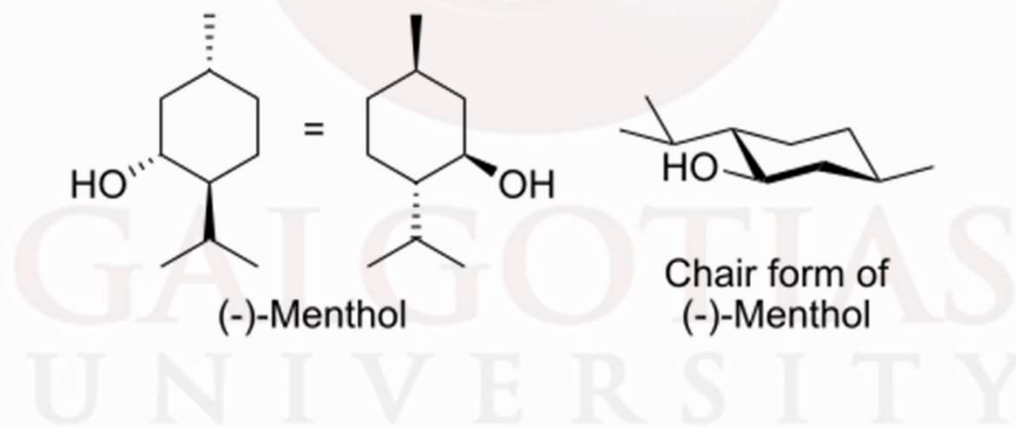
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Antibacterial & Antifungal Activity



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References

1. Asha, M. K., Prashanth, D., Murali, B., Padmaja, R., & Amit, A. (2001). Anthelmintic activity of essential oil of *Ocimum sanctum* and eugenol. *Fitoterapia*, 72(6), 669-670.
2. McGuire, W. P., Rowinsky, E. K., Rosenshein, N. B., Grumbine, F. C., Ettinger, D. S., Armstrong, D. K., & Donehower, R. C. (1989). Taxol: a unique antineoplastic agent with significant activity in advanced ovarian epithelial neoplasms. *Annals of internal medicine*, 111(4), 273-279.
3. Pattnaik, S., Subramanyam, V. R., Bapaji, M., & Kole, C. R. (1997). Antibacterial and antifungal activity of aromatic constituents of essential oils. *Microbios*, 89(358), 39.

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THANKYOU

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