

## **Group 7: Biochemistry of *Euphorbia***

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### **Abstract**

Phytogenic chemicals play an essential value in drugs investigations and many of drug candidates and clinically approved therapeutic agents have been isolated from plants products. In fact, several isolated molecules from herbal sources utilized in medicine have the most potent therapeutic activity among chemically produced medicines such as vincristine, taxol, atropine, morphine, pilocarpine and many others. The potent physiological and therapeutic effects of plant materials usually resulted from the effects of plants secondary metabolic compounds.

Diabetes mellitus, obesity, and overweight are dangerous metabolic disorders and considered the major reasons for mortality and morbidity for thousands of people in several of developing countries. However, different investigations demonstrated that obesity and overweight are associated with an increased risk of diabetes. In fact, both of the obesity and diabetes elevate the costs of immense health care because they are significantly associated with diabetes, arthritis, asthma, high cholesterol, high blood pressure and poor health status.