

Structure Elucidation of Isolated Active Compounds from *Nigella sativa* and *Calotropis procera* and Their Efficacy for Treatment of Asthma

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Abstract : In Saudi Arabia parts of *Nigella sativa*, and *Calotropis procera* are commonly used in folk medicine for the treatment of asthma, bronchitis, cough, eczema and other diseases. The purpose of the study is to identify chemical constituents of *Nigella sativa* seed and *Calotropis procera* leave isolated by the bioassay guided fractionation process and find out their relevance to the alleged efficacy of the plant in treating asthma. The medicinal properties of both plants for asthma treatment referred to the rich abundance of thymoquinone and phytol compounds isolated from the essential oil of their seed and leave extracts, which they can form a part of molecules of vitamin K.

Keywords : asthma, *Calotropis procera*, chemical constituents, *Nigella sativa*, vitamin K

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