



Withania somnifera- A Boom for Cancer Patients

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ABSTRACT: Cancer is one of the major problems affecting public health worldwide. As other cultures, the populations of the Near East rely on medicinal herbs and their preparations to fight cancer. Withaferin A (WA), a steroidal lactone derived from a medicinal plant (*Withania somnifera*), Withaferin A (WFA), a withanolide derived from medicinal plant *Withania somnifera*, possesses anti-tumor genic and immunomodulatory activities against various cancer cells. Among the multiple antioxidant molecules determined, antioxidants SOD2, SOD3, Prdx-1 was obviously upregulated by WFA *Withania somnifera* extracts are known for their anti-cancerous, anti-inflammatory and antioxidative properties. One of their mechanisms of actions is to modulate mitochondrial function through increasing oxidative stress. © 2019 iGlobal Research and Publishing Foundation. All rights reserved.

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