

[Open Peer Review on Qeios](#)

Ashwagandha Root Powder Extract

National Cancer Institute

Source

National Cancer Institute. *Ashwagandha Root Powder Extract*. NCI Thesaurus. Code C77883.

A dietary supplement containing an extract powder derived from the root of the ashwagandha shrub with potential antineoplastic, antioxidant, immunostimulating and anti-angiogenic activities. Ashwagandha root powder extract contains numerous alkaloids, including withanine as the primary alkaloid, and steroidal lactone withanolides. The withanolides in this agent may suppress nuclear factor-kappaB activation and nuclear factor-kappaB-regulated gene expression, potentiating apoptosis and inhibiting tumor cell invasion. Cultivated in India and North America, ashwagandha (*Withania somnifera* Dunal or Indian ginseng) belongs to the Solanaceae (nightshade) family.