

[Open Peer Review on Qeios](#)

Multifunctional/Multitargeted Anticancer Agent OMN54

National Cancer Institute

Source

National Cancer Institute. *Multifunctional/Multitargeted Anticancer Agent OMN54*. NCI Thesaurus. Code C101260.

An orally available, multivalent herbal formulation containing a novel mixture of whole extracts from three commonly used Chinese medicinal herbs *Ganoderma lucidum* (lingzhi mushroom), *Salvia miltiorrhiza* (Chinese sage, or danshen) and *Scutellaria barbata* (ban zhi lian), with potential immunomodulating, antiangiogenic, anti-inflammatory, antiproliferative and antiviral activities. Although the exact mechanism of action remains to be fully elucidated due to the complexity of the multiple phytochemicals, multifunctional/multitargeted anticancer agent OMN54 appears to work in an additive and synergistic manner by acting on a variety of signaling pathways and on multiple targets, such as vascular endothelial growth factor, nuclear factor kappa B, interleukin-1beta, fibroblast growth factor, and epidermal growth factor.