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# Chinese Herbal Formulation PHY906

National Cancer Institute

## Source

National Cancer Institute. *Chinese Herbal Formulation PHY906*. NCI Thesaurus. Code C91704.

An oral traditional Chinese herbal formulation in powder form containing a spray-dried preparation of an aqueous extract from the four herbs *Scutellaria baicalensis*, *Glycyrrhiza uralensis*, *Ziziphus jujuba* and *Paeonia lactiflora*, with potential immunomodulating and chemoprotective activities, and which may be used as an adjuvant for chemotherapeutic agents. Although the mechanisms of action remain to be fully elucidated, PHY906 possesses a wide range of pharmacological activities such as the enhancement of oral uptake of pharmacologically active agents, inhibition of CYP3A4, modulation of certain pro-inflammatory cytokines, enhanced migration of macrophages and lymphocytes, and the inhibition of expression of matrix metalloproteinase (MMP), nuclear factor kappaB (NF-κB), cyclooxygenase (COX), nitric oxide synthase (NOS), beta-glucuronidase, the neurokinin 1 receptor (NK1R; tachykinin receptor 1; TACR1; substance-P receptor) and the delta-opioid receptor. PHY906 may also enhance the anti-tumor effect of other anti-cancer agents, and may protect the gastrointestinal (GI) mucosa against damage and reduce GI symptoms.