

Product Name: Indole-3-carbinol

Product Number: I034

CAS Number: 700-06-1

Molecular Formula: C₉H₉NO

Molecular Weight: 147.17

Description: Indole-3-carbinol is an indole found in many cruciferous vegetables with a variety of bioactivity including anticancer, antibacterial and antifungal effects. Researchers have found that in some cases indole-3-carbinol has inhibited angiogenesis, induced apoptosis, caused cancer cell cycle arrest and suppressed cell invasion. Indole-3-carbinol shows *in vitro* antibacterial activity against gram-negative and gram-positive bacteria, and antifungal effects against *Candida albicans*.

References: Fares, F. (2014). The Anti-Carcinogenic Effect of Indole-3-Carbinol and 3, 3'-Diindolylmethane and their Mechanism of Action. *Medicinal Chemistry*, S(1). doi:10.4172/2161-0444.s1-002

Sung, W. S., & Lee, D. G. (2007). In Vitro Antimicrobial Activity and the Mode of Action of Indole-3-Carbinol against Human Pathogenic Microorganisms. *Biological & Pharmaceutical Bulletin*, 30(10), 1865-1869. doi:10.1248/bpb.30.1865