Open Peer Review on Qeios

Pomegranate Juice

National Cancer Institute

Source

National Cancer Institute. Pomegranate Juice. NCI Thesaurus. Code C26665.

A natural juice isolated from the fruit of the plant Punica granatum with antioxidant, potential antineoplastic, and chemopreventive activities. Pomegranate juice contains flavonoids which promote differentiation and apoptosis in tumor cells by down-regulating vascular endothelial growth factor (VEGF) and stimulating migration inhibitory factor (MIF), thereby inhibiting angiogenesis. The flavonoids in pomegranate juice also scavenge reactive oxygen species (ROS) and, in some cell types, may prevent ROS-mediated cell injury and death. (NCI04)