

World Congress on **Breast Cancer**

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Natural inhibitors and breast cancer

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Epidermal growth factor receptor (EGFR) plays a critical role in the initiation and progression of a variety of human cancers, including breast cancer. An important signaling pathway downstream of EGFR is the PI3K/Akt pathway, which regulates cellular processes as diverse as cell growth, survival, proliferation and migration. Deregulated activity of this pathway may lead to uncontrolled cell growth, survival, migration and invasion, contributing to tumor formation. A wide variety of natural compounds are there in the nature than can suppress breast cancer by down- regulating PI3K/Akt signaling. Here, I present a number of efficacious compounds and portrait the mechanisms by which they sequestrate breast cancer.

Biography

Safdari has completed his PhD at the age of 32 years from Biotechnology Research Center of Tabriz University of Medical Sciences, Tabriz, Iran. He is now an assistant professor at Golestan University of Medical Sciences. He has published 10 papers in reputed journals.

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