

A REVIEW ON BIOACTIVE ANTICANCER DRUGS FOR MAMMARY CANCER ISOLATED FROM MARINE ORGANISM

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Mammary cancer is one of the most significant tumors among all cancer cell lines; still have deficiencies of effective treatment. Consequently, substitute treatments by means of natural product's bioactive metabolites, have been suggested. The source of bioactive metabolites are many but the richest and the unique source of it is oceans or the marine atmosphere, which possess chemical and biological diversity that is an astonishing reserve for discovery of novel anticancer drugs. Marine sponges produce largest amount of the diverse bioactive peptides and secondary metabolites whose potential is costly therapeutic. In this review, our main focus is on the primary, secondary metabolites and peptide's chemistry and biology that has been isolated from the marine sponges, cyanobacteria, fungi, algae, actinomycetes, ascidians and other marine sources and also this review summarizes the anti-mammary cancer agents that have been isolated from marine environment with their % inhibition values against different breast cancer cell lines.

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