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REVIEW ARTICLE

Therapeutic Potential of Citrus Flavonoid Naringin against Colorectal Cancer: Recent Findings and Future Perspectives

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ABSTRACT

Naringin is an important citrus flavonoid. It is now well known for its various biological activities and also for its immense therapeutic potential. Naringin have anti-proliferative, anti-inflammatory and anti-oxidant potential along with other properties. Naringin has been investigated for its role against CRC and found to be promising. Also, naringin have potential to be used as therapeutic agent for the prevention of ulcerative colitis and colorectal tumor. CRC is affecting a significantly large population world wide. Researchers have shown keen interest in flavonoids for management of different cancers. Naringin has emerged as flavonoid of interest against CRC as part of effective and alternate treatment. Limited literature is available but still, naringin seems promising therapeutic candidate against CRC. More research in the area is required for naringin based safe and effective management of CRC. This review provides concise and updated information on therapeutic role of citrus flavonoid naringin against colorectal cancer (CRC). This review presents the recent studies and mechanisms dealing with protective effect of naringin against CRC.

Keywords: Flavonoid; naringin; anti-proliferative; anti-inflammatory; colorectal cancer

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