Investigation into the Molecular Mechanisms underlying the Anti-proliferative and Anti-tumorigenesis activities of Diosmetin against HCT116 Human Colorectal Cancer

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Abstract and figures

Diosmetin (Dio) is a biflavonoid with cytotoxicity properties against a variety of cancer cells including hepatocarcinoma, breast and colorectal cancer. The exact mechanism by which Dio acts against CRC has, however, still remained unclear. Hence in this study, we investigated the possible molecular mechanisms of Dio in CRC cell lines, HCT116. Here, we monitored the viability of HCT116 cells in the presence of Dio and investigated the underlying mechanism of Dio against HCT116 cells at the gene and protein levels using NCI60 panel and protein profiler array technologies. Findings

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