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Biological effect of nicotiflorin against acute myocardial Infarction: Therapeutic role in the medicine through scientific data analysis

Dinesh Kumar Patel, Kanika Patel

Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj, Uttar Pradesh, India

Abstract

Background: Stroke is a serious human disorders leading cause of million deaths in every year which causes financial burden in the low-income countries. Flavonoidal compounds were found to be present in the nature mainly in the aglycone form and glycosides. Flavonoidal compounds have been widely distributed in the plant kingdom and found to be present in many medicinal plants. Flavonoidal compounds have been well known in the medicine for their antiinflammatory, antiproliferative, antiallergic, antidiabetic and antiviral activities. **Methods:** Numerous scientific research data has been collected from various literature databases and analyzed in the present investigation in order to know the health beneficial potential of nicotiflorin in the medicine. All the pharmacological scientific data has been collected from different literature databases and analyzed in the present investigation. Biological effect of nicotiflorin against acute myocardial Infarction has been investigated in the present work through scientific data analysis of various literature works. **Results:** Literature data analysis of various scientific research works revealed the therapeutic importance of nicotiflorin in the medicine. Literature data analysis revealed that nicotiflorin also called kaempferol 3-O- β -rutinoside is found to be present in the *Carthamus tinctorius*, *Edgeworthia chrysantha*, and *Nymphaea candida*. Nicotiflorin has anti-inflammatory, antioxidant, and neuroprotective effects in the medicine. Literature data analysis revealed the biological effect of nicotiflorin against acute myocardial Infarction through combined network pharmacology and experimental pharmacology. **Conclusion:** Literature data analysis revealed the biological effect of nicotiflorin against acute myocardial Infarction.

Keywords: Biological, Nicotiflorin, Myocardial Infarction, Phytochemical, Medicine

Funding and Conflicts of Interest

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