

In-vitro Antioxidant and Anti-Inflammatory Activities of Peel and Peeled Fruits Citrus limon

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Description

Background:

Citrus is the name given to trees belonging to the family of Rutaceae including several species of plants that produce the edible fruits providing an appreciable content of several interesting bioactive constituents. In traditional medicine, they are often used as antipyretic, anti-inflammatory, sedative and antitoxic agents. Our primary aim is to assess antioxidant ability and anti-inflammatory activity of peel and peeled fruit from Citrus limon.

Methods:

Ethanollic extracts of peel and peeled fruit of Citrus limon (lemon) were used to investigate antioxidant and anti-inflammatory activities. Total phenolic content was assessed using Folin-Ciocalteux method. The antioxidant potential was found by measuring the scavenging activity of DPPH and ABTS radical. Three methods have been adopted to evaluate in-vitro anti-inflammatory effect by bovine albumin denaturation, lipoxygenase inhibition and erythrocytes ...