

**Chemistry And Biological Activities of Quercetin : A Bioactive Flavonoid**

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Abstract

Quercetin is a naturally occurring flavanol with diverse therapeutic properties. It is a plant pigment and a potent antioxidant flavonoid. Mostly reported in onions, grapes, berries, cherries, broccoli, and citrus fruits. Several review articles have documented various biochemical and pharmacological activities of quercetin. This review article focuses on the structure, chemistry, and biological activities of quercetin and also provides information available concerning isolation and purification methods of quercetin from various plant extracts.

Keywords: Quercetin, isolation, purification, solvent extraction

1. Introduction

Plants synthesize several organic compounds, most of which do not contribute directly to growth and development. These substances are referred to as secondary metabolites and often are