1. Record Nr. UNINA9910780935703321 Chemistry and biology of ellagitannins [[electronic resource]]: an **Titolo** underestimated class of bioactive plant polyphenols / / editor. Stephane Quideau Hackensack, NJ,: World Scientific, c2009 Pubbl/distr/stampa 1-282-44109-4 **ISBN** 9786612441097 981-279-741-6 Descrizione fisica 1 online resource (395 p.) Altri autori (Persone) QuideauStephane Disciplina 572.2 Soggetti Plant polyphenols Plant bioactive compounds **Phytochemicals Tannins** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographic references and index. Nota di bibliografia Nota di contenuto Preface; Contents; 1. Ellagitannins Renewed the Concept of Tannins; 1.1 Old and New Concepts of Tannins.; 1.1.1 About the chemical stability of ellagitannins.; 1.1.2 Definition of ellagitannins in the narrow and wider senses; 1.1.3 Stereochemistry of ellagitannins.; 1.1.4 Condensation of dehydroellagitannins with other substances: 1.1.5 Accumulation of an ellagitannin of specific structure in a plant.; 1.2 Distribution of Ellagitannins in the Plant Kingdom.; 1.3 Formation and Classification of Ellagitannins in Plants.

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## Sommario/riassunto

This book is the first of its kind that focuses on the chemistry and biology of ellagitannins, a special class of naturally occurring polyphenols which have so far not received the attention they deserve. These polyphenolic substances are found in many plants, including numerous food sources. They not only exhibit unique structural features that fascinate most chemists who are aware of their existence, but also express remarkable biological activities that have yet to attract the interest of the pharmaceutical industry. This is surprising because ellagitannins have been identified as active pr