



Identification of Lichen Substances

By Huneck, Siegfried / Yoshimura, Isao

Condition: New. Publisher/Verlag: Springer, Berlin | Saxony, Germany, died 1917 at Feuerbach near 1. 1 Stuttgart), who published 18 papers on lichen Short History of the Study substances in the period between 1861 and 1905 of Lichen Substances and wrote an article on Flechtenstoffe in the Lichens - symbiotic organisms of fungi and 1912 edition of Abderhalden's Biochemisches Handlexikon. algae - contain a great number of organic compounds, the so-called lichen substances The lichen substances first known in their structure were vulpinic acid (Spiegel 1883) and which are more or less typical of this group of cryptogames. The lichen substances comprise quite different classes of compounds like amino acid derivatives, sugar alcohols, aliphatic acids, &Y-, O- and macrocyclic lactones, mono cyclic aromatic compounds, quinones, chromones, xanthones, dibenzofuranes, depsides, depsidones, depsones, terpenoids, steroids and carotenoids. This multitude of compounds made the study of their chemistry attractive from the early times of organic chemistry. Bebert (1831) isolated vulpinic acid in 1831, Alms (1832) picrolichenic acid in 1832, and Knop (1844) usnic acid in 1844. Gmelin (1858) published a review on lichen substances already in 1858. The classical period of lichen chemistry is connected with two names: W. Zopf...



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