

Chemodiversity of Surface Flavonoids in Solanaceae

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Several species of *Nicotiana* and *Solanum* and further members of the Solanaceae have been examined for their exudate flavonoids. Most of the aglycones are widespread flavonols, but rare and unusual flavonols were also found, *e.g.* in exudates of *Physalis* and *Solanum* species. Flavones occur throughout the family, but flavanones are rare. Our data are presented in comparison to previous results. The chemodiversity of the observed structures is discussed in relation to literature reports. Morphological and systematic aspects are briefly addressed.

Key words: Solanaceae, Exudates, Flavonoids