Hyperforin a constituent of St. John’s wort (Hypericum perforatum L.) extract induces apoptosis by triggering activation of caspases and with hypericin synergistically exerts cytotoxicity towards human malignant cell lines

Summary / Zusammenfassung
The Hypericum perforatum extracts belong to mostly prescribed and clinically investigated plant extracts and have been shown to be an effective option in the treatment of mild to moderately severe depressive disorders. H. perforatum contains a number of constituents with documented biological activity. Hyperforin is a component with antibiotic and antidepressive activity. Numerous studies proved the apoptosis inducing effect of Hypericin which is an other component of H. perforatum. As the biological effects of H. perforatum preparations are considered to be due to the mixture of the metabolites rather than to single constituents, we examined the effect of coexposure of Hypericin and Hyperforin on the growth inhibition of human malignant cell lines (K562, U937, LN229).

Publications / Publikationen

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