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A 'glycoside' sennoside-A -B -C cf. 'claviceps' ergotamine
'lysergic-acid' 'ISD' lysergamide etc. separation by high-pressure
liquid-'chromatography' using novel 'apparatus' congress /V/
/XVI/ /XXVI/ /XXXII/

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A Low-Cost Gradient System for High-Performance Liquid
Chromatography. Quantitation of Complex Pharmaceutical Raw
Materials.

A gradient elution system for the HPLC quantitation of complex
pharmaceutical raw materials is described.

The gradient elution HPLC system was applied to the separation
of synthetic mixtures of senna glycosides: sennosides A, B and C
and the ergot alkaloids listed below. Studies on the gradient
elution system were carried out with caffeine in MeOH, PrOH or
acetonitrile. The separations were carried out on a column of
reversed phase material Nucleosil C₁₈ and acetonitrile/NaHCO₃.
Details of retention time are given.

6 Fig. 3 Tab. 7 Ref.

MJW/HR

Main component

Ergotamine

By-products and degradation products

Lysergic acid

Isolysergic acid

Lysergic acid amide

Isolysergic acid amide

aci-Ergotamine

aci-Ergotaminine

Ergotaminine

HB