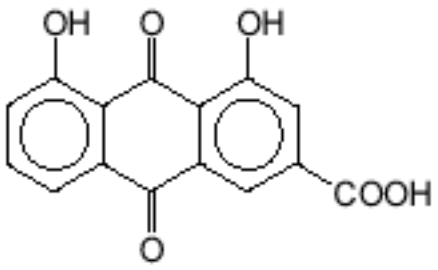
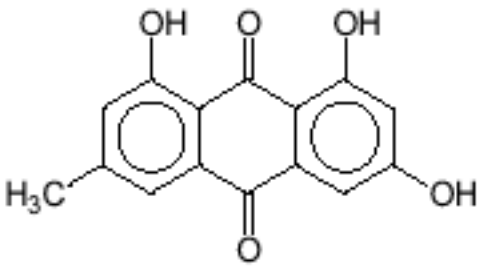
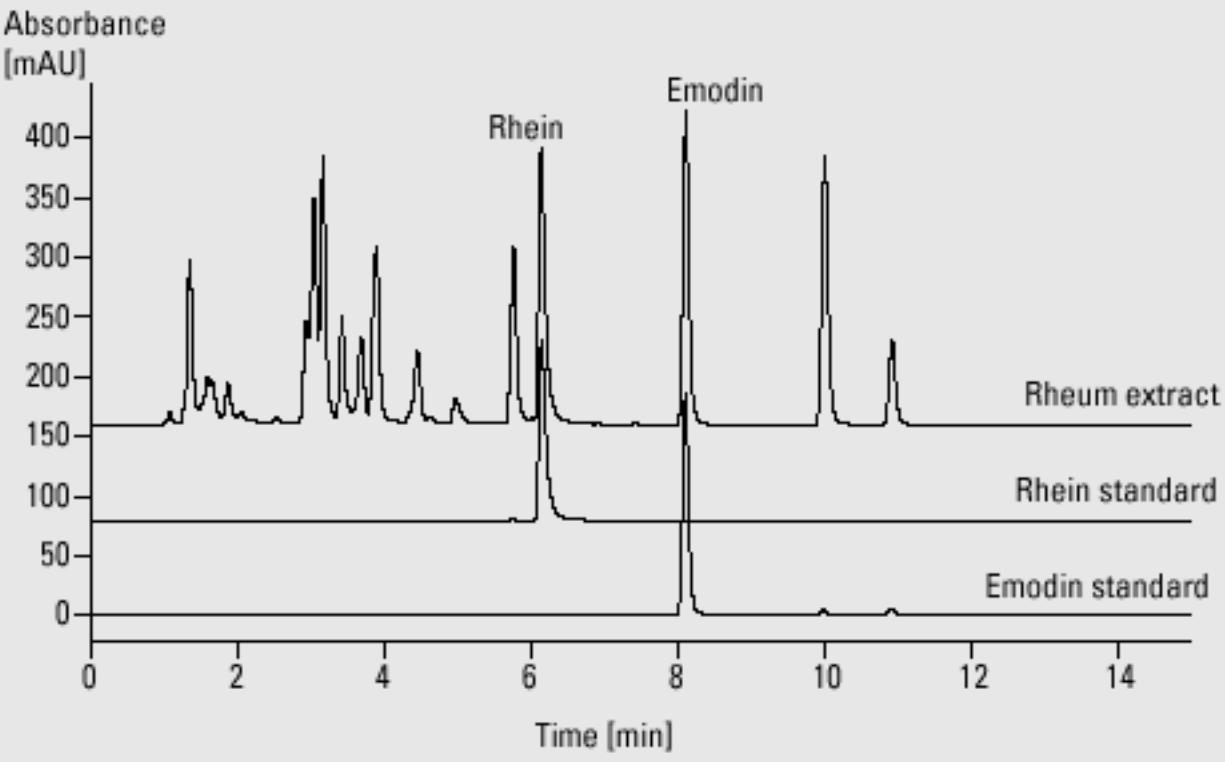
Rheum Palmatum Extract



Rhein



Emodin



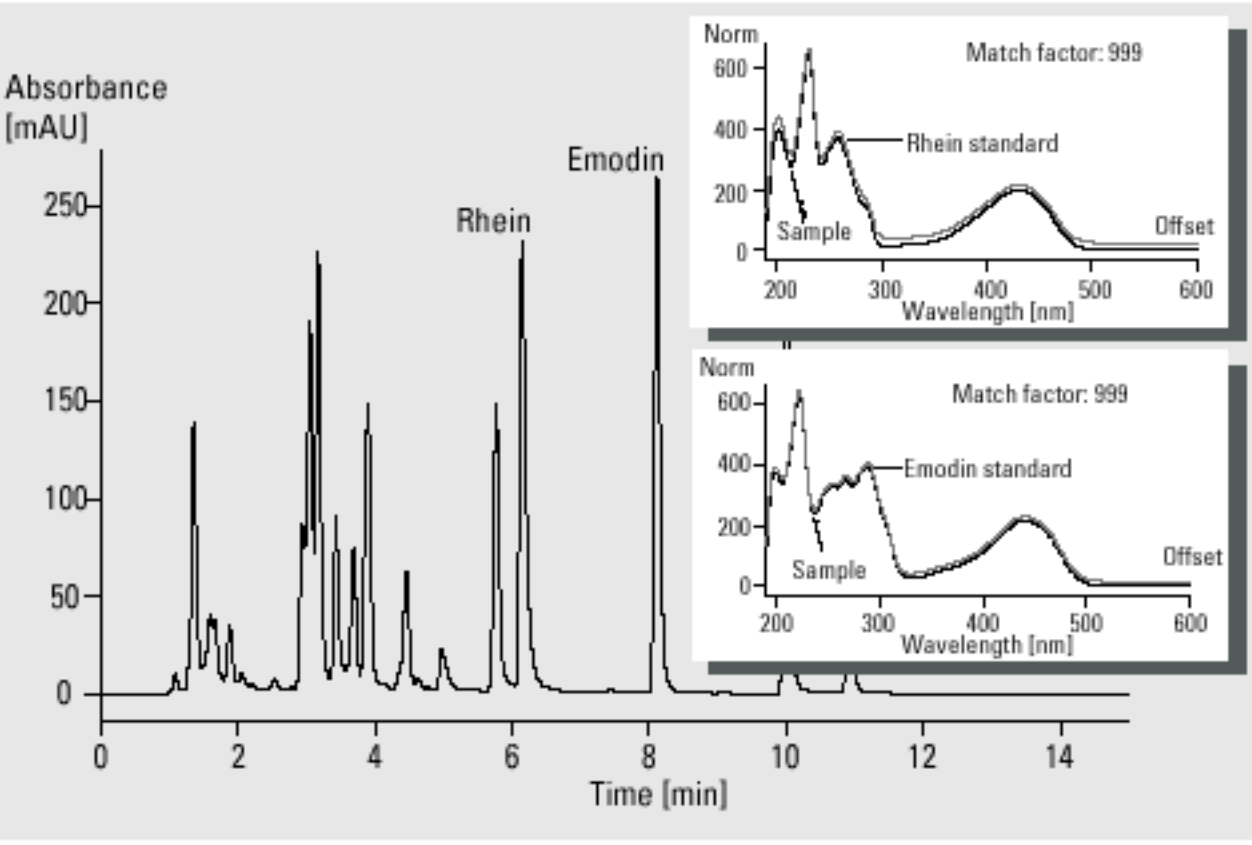
Analysis of *Rheum Palmatum* extract

Extraction

5 g dried rhubarb root were extracted ultrasonically twice with 50 ml methanol for 30 minutes. The extract was filtered and the solvent evaporated *i. vac.* The residue was dissolved in 5 ml methanol and applied to HPLC.

Column	4 x 125 mm Hypersil ODS, 5 µm
Mobile phase	A = 0.05 M NH_4OAc in water (pH = 2.5), B = acetonitrile
Flow rate	1.0 ml/min
Gradient	at 0 m in 30 % B at 10 min 80 % B
Column wash	at 14 min 80 % B at 15 min 30 % B
UV detector	variable wavelength detector 440 nm, standard cell
Column compartment temperature	25 °C
Stop time	15 min
Post time	5 min
Injection volume	1 µl

Instrumentation:
see configuration example 2 on page 77



Comparison of sample and standard spectra of rhein and emodin