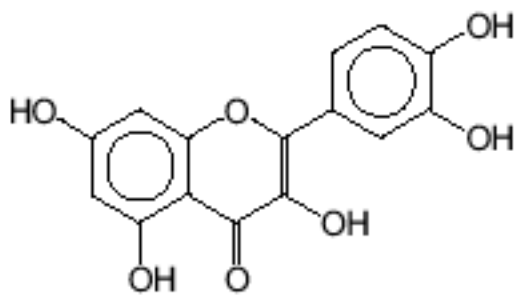
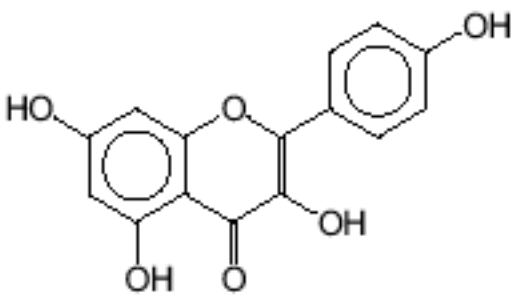
Ginko Biloba Extract and Tablets



Quercetin

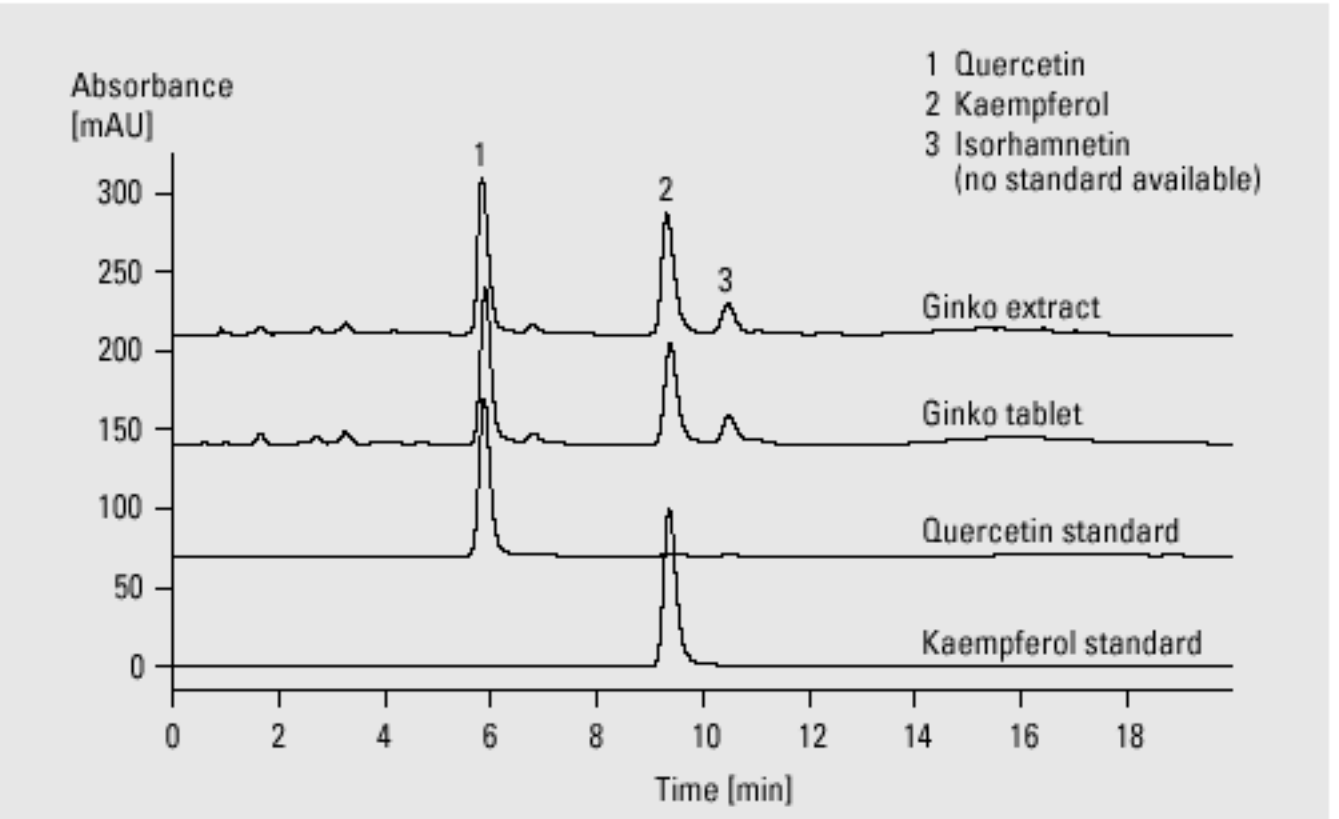


Kaempferol

Extraction

4 g of *Ginko Biloba* extract (from *Caesar & Loretz GmbH, Germany*) were refluxed for 30 min in 70 ml methanol and 10 ml 25 % HCl. After cooling to room temperature the mixture was filtered and the filter washed with approximately 100 ml methanol. The solvent was partly removed *i. vac.* and diluted with methanol to 100 ml in a volumetric flask. 5 ml of this solution were filtered through a C18 disposable cartridge. The cartridge was washed with 4 ml methanol and the filtrate diluted to 10 ml in a volumetric flask. The same procedure was used to extract 10 ginko tablets ('Promod Ginko biloba L.', 40 mg ginko biloba extract per tablet, *Sine Laboratories', Shanghai, China*)

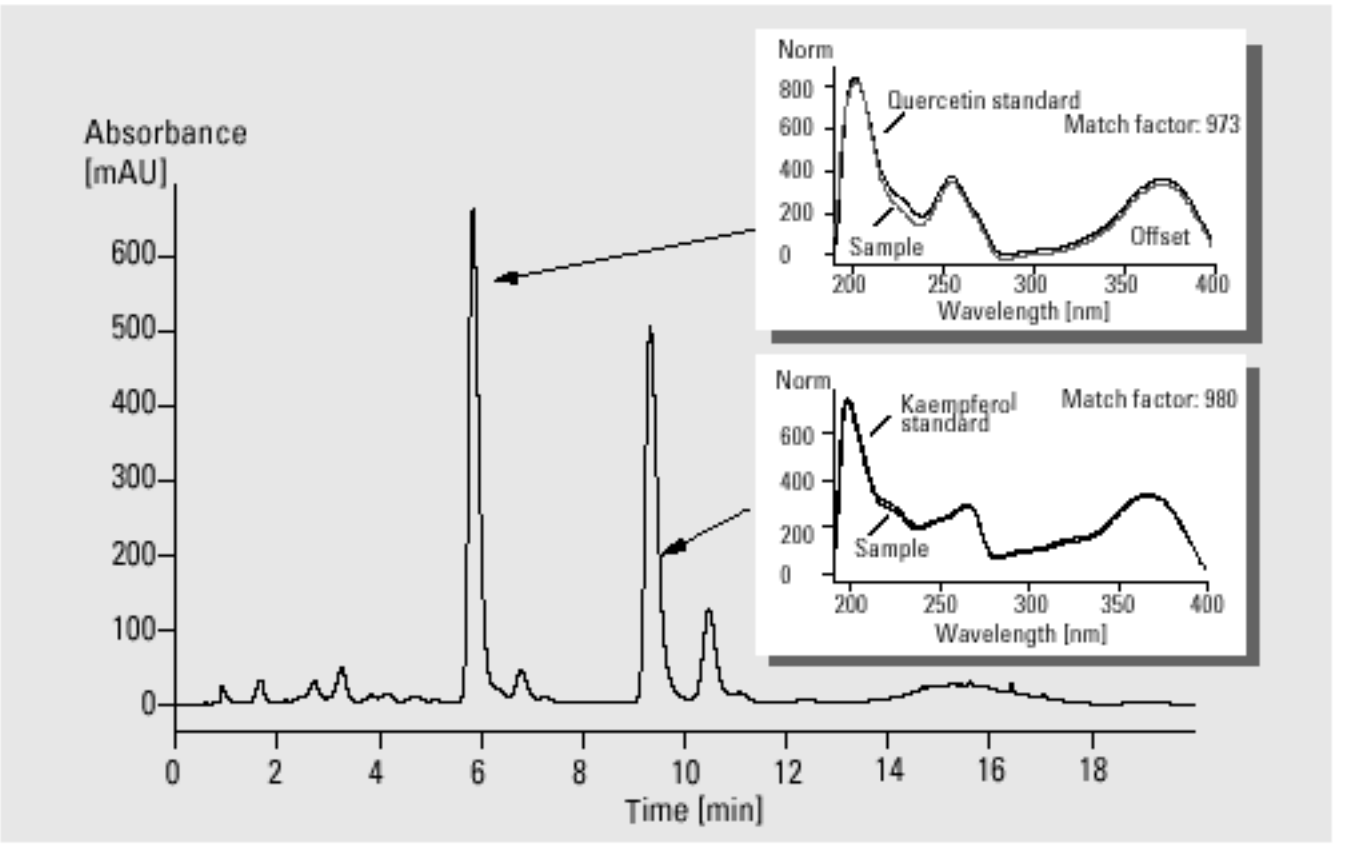
Method and extraction from:
A. Hasler, O. Stichler, *J. Chromatogr. 508* **(1990)**, 236-240



Analysis of *Ginko Bilboba* extract

Column	4 x 125 mm Hypersil ODS, 5 µm
Mobile phase	A = 0.5 % H_3PO_4 in water, B = methanol
Flow rate	2.0 ml/min
Gradient	at 0 min 38 % B at 12 min 48 % B
Column wash	at 17 min 100 % B at 20 min 38 % B 100 % B to 38 % B in 3 min
UV detector	variable wavelength detector 370 nm, standard cell
Column compartment temperature	25 °C
Stop time	20 min
Post time	5 min
Injection volume	10 µl

Instrumentation:
see configuration example 2 on page 77



Comparison of sample and standard spectra of quercetin and kaempferol