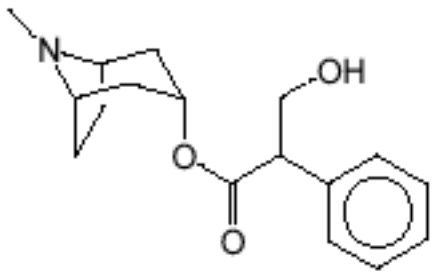
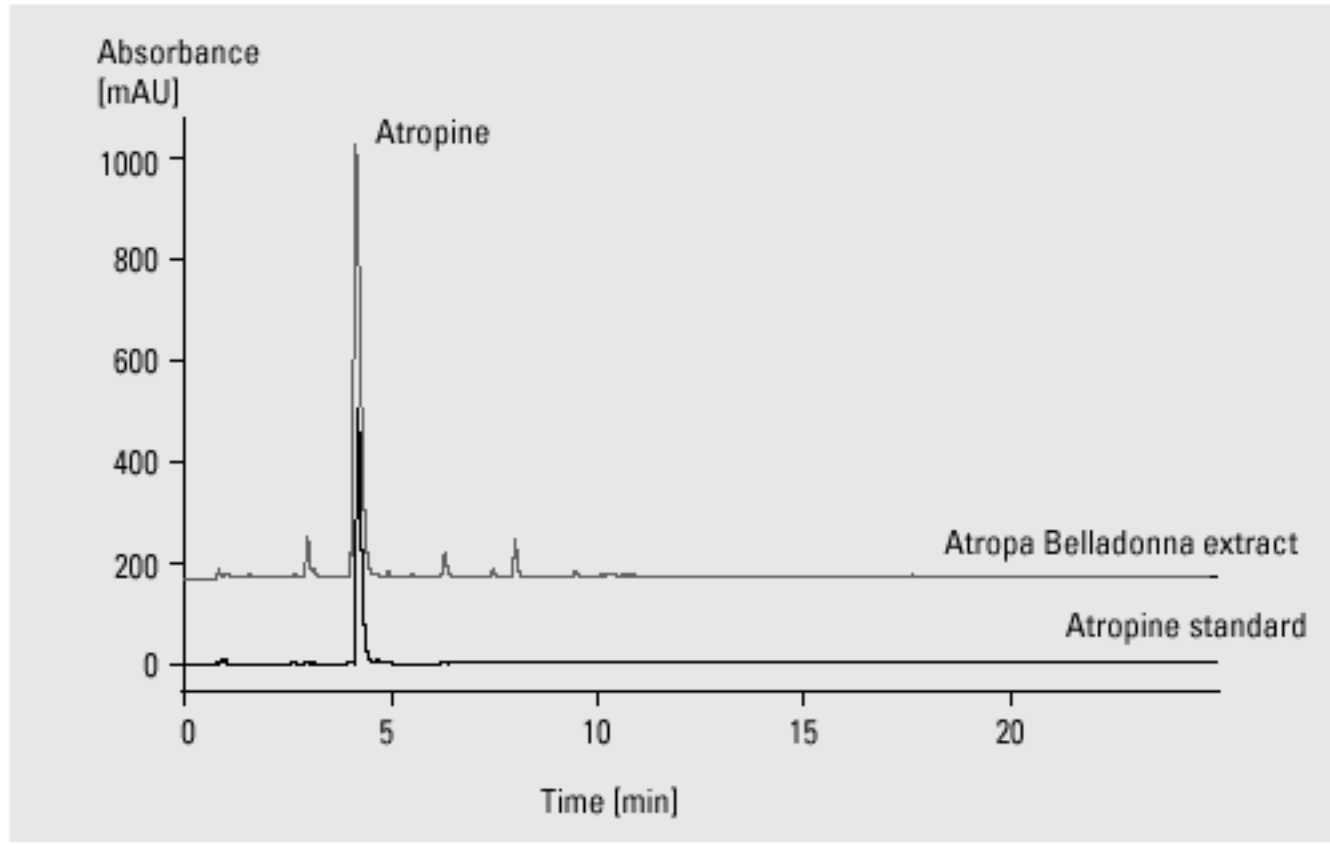
Atropa Belladonna Extract



Atropine

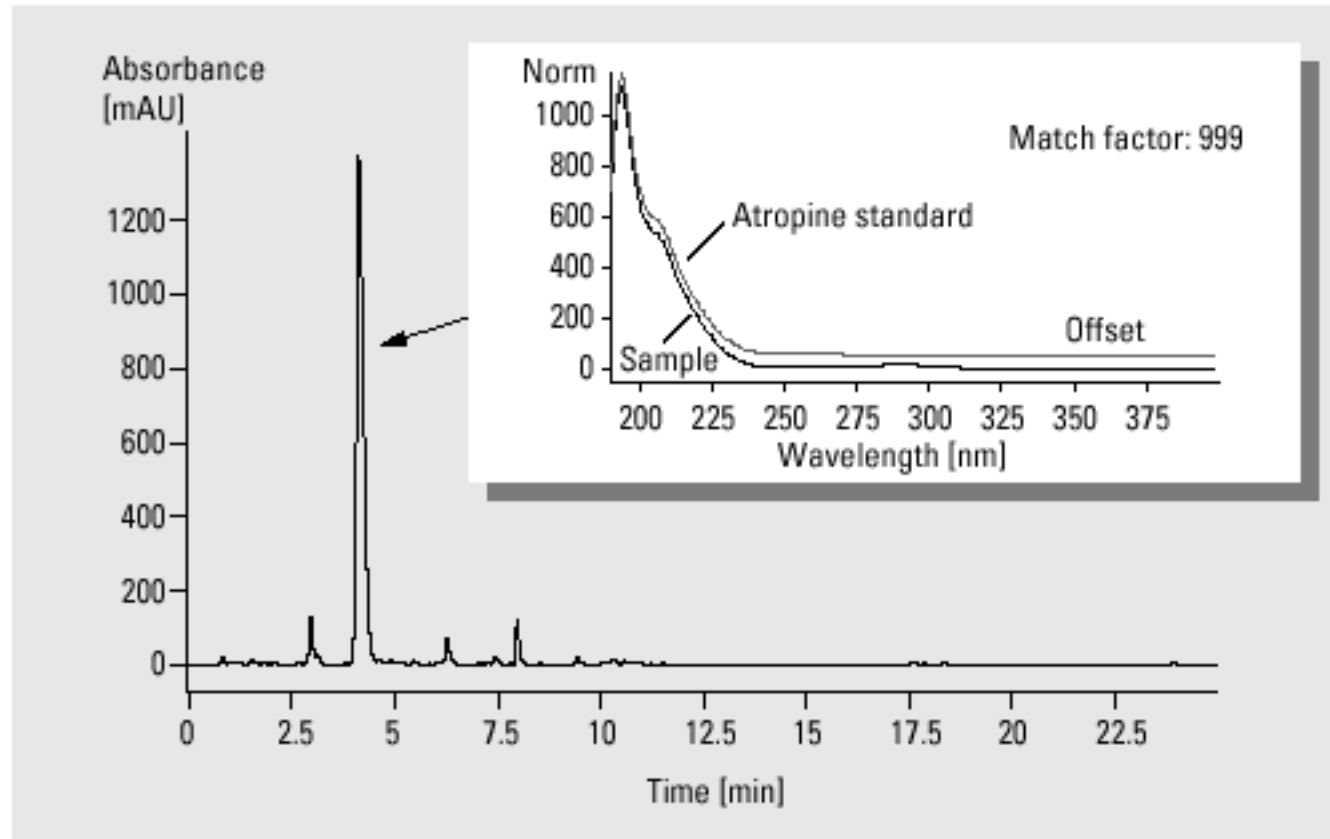


Analysis of *Atropa Belladonna* extract

Extraction

1 g of the dried and powdered plant (from *Caesar & Loretz GmbH, Germany*) was refluxed for 30 min in 0.5 M acetic acid. After cooling the pH was adjusted to 9 and the solution was extracted five times with 50 ml chloroform. After drying over sodium sulfate the solvent was removed *i. vac.* and the residue dissolved in 2.5 ml methanol. After filtration 5 µl of the extract were applied to HPLC.

Column	4.6 x 75 mm Zorbax Eclipse XDB-C18, 3.5 µm
Mobile phase	A = 0.05M KH_2PO_4 in water (pH = 3), B = acetonitrile
Flow rate	1.0 ml/min
Gradient	at 0 min 10 % B at 20 min 60 % B
Column wash	at 23 min 60 % B at 25 min 10 % B
UV detector	variable wavelength detector 210 nm, standard cell
Column compartment temperature	40 °C
Stop time	25 min
Post time	5 min
Injection volume	5 µl



Comparison of sample and standard spectra of atropine