analytical HPLC1	Model:	*Merck Hitachi LaChrom 2x*
	Unit and Room:	*Org.Chem., 07 016*
	Responsible:	*Dr. R. Krieger*
	Further information:	

Short Description:

Analytical HPLC with degasser, low pressure gradient pump, rheodyne manual injection, columne thermostat and UV-detektion, computer, software for instrument control, data analysis and reporting (hsm 12 years old)

Picture of the Equipment

Available Experiments/Techniques:

-ee-determination normal phase,
-quantification at spezific wavelength,
-separation of mixtures at analytical scale using monochromatic uv/vis detection

Special Equipment:

columnes:
chiral: analytical columnes normal phase conditions from Daicel (AD-H, OD-H, IA, IB, IC), one Pirkle Phase (Whelk O2), one Cyclodextrine phase,
chiral analytical columnes reversed phase conditions from Daicel: AD-3R, OD-R, OJ-R
achiral: rp selectB, rp 18,rp18e (reversed phase, Lichrosphere Merck, old columnes) , silica (normal phase Si60 Lichroshere Merck, nucleosil 100 Macherey Nagel, old columnes)

Measurements on the equipment are currently done by:	☐ Students ☐ Students after Introduction ☐ Students after extensive training ☒ Trained scientific service personal
Recent Publications, where this instrument was important (optional): Give citation	
Typical problems that may be solved with this instrument:	*-ee determination,* *-elaboration and analysis of semiprep. separations of racemates,* *-elaboration and analysis of semiprep. separations of complex mixtures of regio- and stereoisomers,* *-separation of mixtures at analytical scale using monochromatic uv/vis detection* *-quantifications at spezific wavelengths*