

## References CHIRAL-AGP

- A1. Jörgen Hermansson  
Direct liquid chromatographic resolution of racemic drugs using  $\alpha_1$ -acid glycoprotein as the chiral stationary phase  
*J. Chromatogr.*, 269 71 (1983)
- A2. Jörgen Hermansson  
Liquid chromatographic resolution of racemic drugs using a chiral  $\alpha_1$ -acid glycoprotein column  
*J. Chromatogr.*, 298 67 (1984)
- A3. Jörgen Hermansson, Märít Eriksson and Olof Nyquist  
Determination of R- and S-disopyramide in human plasma using a chiral  $\alpha_1$ -acid glycoprotein column  
*J. Chromatogr.*, 336 321 (1984)
- A4. Jörgen Hermansson  
Direct liquid chromatographic resolution of racemic drugs by means of  $\alpha_1$ -acid glycoprotein as the chiral complexing agent in the mobile phase  
*J. Chromatogr.*, 316 537 (1984)
- A5. J. Lars G. Nilsson, Jörgen Hermansson, U. Hacksell and Staffan Sundell  
Promethazine- resolution, absolute configuration and direct chromatographic separation of the enantiomers  
*Acta Pharm. Suec.*, 21 309 (1984)
- A6. Jörgen Hermansson  
Resolution of racemic aminoalcohols (beta-blockers), amines and acids as enantiomeric derivatives using a chiral  $\alpha_1$ -acid glycoprotein column  
*J. Chromatogr.*, 325 379 (1985)
- A7. Jörgen Hermansson and Märít Eriksson  
Direct liquid chromatographic resolution of acidic drugs using a chiral  $\alpha_1$ -acid glycoprotein column  
*J. Liq. Chromatogr.*, 9 621 (1986)
- A8. G. Schill et al.  
Chiral separations of cationic and anionic drugs on an  $\alpha_1$ -acid glycoprotein-bonded stationary phase (EnantioPac). II. Influence of mobile phase additives and pH on chiral resolution and retention  
*J. Chromatogr.*, 365 73 (1986)
- A9. G. Schill et al.  
Chiral separation of cationic drugs on an  $\alpha_1$ -acid glycoprotein bonded stationary phase  
*J. Liq. Chromatogr.*, 9 641 (1986)
- A10. Jörgen Hermansson et al.  
Enantioselective analysis of chloroquine and desethylchloroquine after oral administration of racemic chloroquine  
*Therapeutic Drug Monitoring* 8 457 (1986)
- A11. Jörgen Hermansson et al.  
Relationship between enantioselectivity and solute structure on a chiral  $\alpha_1$ -acid glycoprotein column  
*Chromatographia*, 24 520 (1987)
- A12. J. Hermansson et al. In M. Zief and L. Crane (Editors), *Chromatographic Chiral Separations*, Vol. 40, Marcel Dekker, New York, Ny, 1987, pp. 245-281
- A13. J. Hermansson et al. In P.A. Brown and R.A. Hartwick (Editors), *High Performance Liquid Chromatography, (Monographs on Analytical Chemistry Series)* ) Wiley Interscience, New York, NY, 1988, pp. 337-374
- A14. Jörgen Hermansson et al.  
Separation and quantitation of R- and S- atenolol in human plasma and urine using an  $\alpha_1$ -AGP column  
*Chirality*, 1 209 (1989)
- A15. Jörgen Hermansson et al.  
Comparison between two methods for the determination of the total and free R- and S-disopyramide in human plasma using an  $\alpha_1$ -acid glycoprotein column  
*J. Chromatogr.*, 494 143 (1989)
- A16. Jörgen Hermansson  
Review: Enantiomeric separation of drugs and related compounds based on their interaction with  $\alpha_1$ -acid glycoprotein  
*Trends In Analytical Chemistry*, 8 no.7 251 (1989)
- A17. A.M. Krstulovic et al.  
Improved performance of the second generation  $\alpha_1$ -AGP column. Applications to the routine assay of plasma levels of alfuzosin hydrochloride  
*Chirality*, 1 243 (1989)
- A18. B. Blessington et al.  
Proposed primary reference methods for the determination of some commercially important chiral aryloxypropionate herbicides in both free acid and ester forms  
*J. Chromatogr.*, 483 349 (1989)
- A19. M. Lienne et al.  
Direct enantiomeric separation of anticholinergic drugs derived from ( $\pm$ )-cyclohexyl (3- thienyl) glycolic acid on a novel  $\alpha_1$ -acid glycoprotein bonded chiral stationary phase (CHIRAL-AGP)  
*J. Chromatogr.*, 467 406 (1989)
- A20. A. Walhagen  
Coupled column chromatography-mass spectrometry. Thermospray liquid chromatographic- mass spectrometric and liquid chromatographic-tandem mass spectrometric analysis of metoprolol enantiomers in plasma using phase-system switching  
*J. Chromatogr.*, 474 257 (1989)
- A21. K. Balmér et al.  
Optimization of detection sensitivity for enantiomers of metoprolol on silica bonded  $\alpha_1$ -acid glycoprotein  
*J. Chromatogr.*, 477 107 (1989)
- A22. A. Walhagen et al.  
Coupled-columns chromatography on immobilized protein phases for direct separation and determination of drug enantiomers in plasma  
*J. Chromatogr.*, 473 371 (1989)

- A23. B-A. Persson et al.  
Enantioselective determination of metoprolol in plasma by liquid chromatography on a silica bonded  $\alpha_1$ -acid glycoprotein column  
J. Chromatogr., 500 629 (1990)
- A24. I. Wainer et al.  
Determination of the enantiomers of verapamil and norverapamil in serum using coupled achiral-chiral high performance liquid chromatography  
J. Chromatogr., 497 191 (1989)
- A25. G. Schill et al.  
Chiral separations of atropine and homatropine on an  $\alpha_1$ -acid glycoprotein-bonded stationary phase  
J. Chromatogr., 506 597 (1990)
- A26. G. Örn et al.  
Direct HPLC-separation of d- and l- medetomidine hydrochloride by using an  $\alpha_1$ -acid glycoprotein chiral column  
J. Chromatogr., 506 627 (1990)
- A27. A. Shibukawa et al.  
Stereoselective determination of free warfarin concentration in protein binding equilibrium using direct sample injection and an on-line liquid chromatographic system  
Analytical Chemistry, 62, no7 712 (1990)
- A28. M. Enquist and J. Hermansson  
Influence of uncharged mobile phase additives on retention and enantioselectivity of chiral drugs using an  $\alpha_1$ -acid glycoprotein column.  
J. Chromatogr., 519 , 271 (1990)
- A29. M. Enquist and J. Hermansson  
Separation of the enantiomers of  $\beta$ -receptor blocking agents and other cationic drugs using the CHIRAL-AGP column. Binding properties and characterization of immobilized AGP.  
J. Chromatogr., 519, 285 (1990)
- A30. A. Rouchouse et al  
Direct high-performance liquid chromatographic determination of the enantiomers of alfuzosin in plasma on a second generation of  $\alpha_1$ -acid glycoprotein chiral stationary phase.  
J. Chromatogr., 506, 601 (1990)
- A31. A.F. Fell et al  
In vitro metabolism studies on oxamniquine and related compounds by chiral liquid chromatography.  
J. Pharmaceutical & Biomedical Analysis, 7 no 12 1743 (1989)
- A32. Inger Hermansson and Jörgen Hermansson  
Direct resolution of nonsteroidal antiinflammatory drugs on an  $\alpha_1$ - acid glycoprotein column  
Poster presentation, The 13th International Symposium on Column Liquid Chromatography, Stockholm, June 25-30, 1989
- A33. Steen Honoré Hansen et al.  
Synthesis of six metabolites and conjugates of naproxen and simultaneous assay of these and naproxen in biological fluids  
Poster presentation, Analytikerdagarna, Lund, June 17-21, 1990
- A34. T.A.G. Noctor et al.  
High performance liquid chromatographic resolution of oxamniquine enantiomers: Application to in vitro metabolism studies  
Chirality, 2 269 (1990)
- A35. Jan Hasselström, Märit Engquist, Jörgen Hermansson, Rune Dahlquist  
Enantioselective steady state kinetics of free disopyramide and dealkylated metabolite in man.  
Eur. J. Clin. Pharmacol., 41 481 (1991)
- A36. Sandor Görög et al.  
 $\alpha_1$ -Acid glycoprotein column in the high -performance liquid chromatographic analysis of some groups of chiral drugs.  
J. of Pharmaceutical & Biomedical Analysis, 8 837 (1990)
- A37. Laurence E. Mather et al.  
Disposition of mepivacaine and bupivacaine enantiomers in sheep  
Br. J. of Anaesthesia, 67 (no.3), 239 (1991)
- A38. A.J. Rutten et al.  
Cardiovascular effects and regional clearances of intravenous bupivacaine in sheep: enantiomeric analysis.  
Br. J. of Anaesthesia, 67 (no.3), 247 (1991)
- A39. P. Delatour et al  
Comparative enantioselectivity in the sulphoxidation of alben-dazole in man, dogs and rats  
Xenobiotica, 21,no 2 217 (1991)
- A40. P. Delatour et al  
Chiral behaviour of the metabolite alben-dazole sulphoxide in sheep, goats and cattle  
Research in Veterinary Science, 50 134 (1991)
- A41. G.W. Ley et al  
Method development for chiral metabolism of doxazosin  
Poster presentation, Second International Symposium on Pharmaceutical and Biomedical Analysis, York, June 1990
- A42. K.-J. Pettersson et al  
Liquid chromatographic determination of the enantiomers of ibuprofen in plasma using a CHIRAL-AGP column  
J. Chromatogr., 563, 414 (1991)
- A43. J.C. Nielsen et al  
A double blind, placebo controlled, cross-over comparison of the analgesic effect of ibuprofen 400 mg and 800 mg on laser-induced pain  
Br.J.Clin.Pharmacol., 30 , 711 (1990)
- A44. Brian J. Clark et al  
Reversed-phase and chiral high-performance liquid chromatography assay of bupivacaine and its enantiomers in clinical samples after continuous extra-plural infusion  
J.Chromatogr., 553, 383 (1991)
- A45. KE Ibrahim et al  
Separation of chloroquine enantiomers by high-performance liquid chromatography  
J. Pharm. Biomed. Anal., 8, 449 (1990)

- A46. P Camilleri et al  
Effect of deuterium oxide on the resolution of the optical isomers of ibuprofen on an  $\alpha_1$ -acid glycoprotein column  
*J. Chromatogr.*, 518, 277 (1990)
- A47. M Lienne et al  
Direct resolution of anthelmintic drug enantiomers on Chiral-AGP protein-bonded chiral stationary phase  
*J. Chromatogr.*, 472 265 (1989)
- A48. BF Drenth et al  
Direct determination of the enantiomeric purity of oxyphenonium using chiral HPLC with post-column extraction detection  
*Chromatographia*, 26, 281 (1988)
- A49. J. Kern  
Chromatographic separation of the optical isomers of naproxen  
*J. Chromatogr.*, 543, 355 (1991)
- A50. A. Hedman et al  
Digoxin-verapamil interaction: reduction of biliary but not of renal digoxin clearance in humans  
*Clin. Pharmacol. & Ther.*, 49, 256 (1991)
- A51. O. Beck et al  
Chiral analysis of methadone in patient plasma by high-performance liquid chromatography  
*J. Chromatogr.*, 570, 198 (1991)
- A52. Richard M. Gaskell and Brian Crooks  
Practical strategy for the analytical separation of enantiomers by high-performance liquid chromatography  
*J. Chromatogr.*, 553, 357 (1991)
- A53. G.J. Furlonger et al  
Design and application of chiral LC Studies for drug metabolism studies  
Submitted for publication
- A54. Jan Trofast et al  
Steric aspects of agonism and antagonism and  $\beta$ -adrenoceptors: Synthesis of and pharmacological experiments with the enantiomers of Formoterol and their diastereomers  
*Chirality*, 3, 443 (1991)
- A55. R. Gollamudi and Z. Feng  
Chiral Resolution of a,a'-Bis[3-(N,N-diethylcarbamoyl)-piperidino]-p-xylene, a novel antiplatelet compound  
*Chirality*, 3, 480 (1991)
- A56. P. Delatour et al  
Chirality of the sulphoxide metabolites of fenbendazole and albendazole in sheep  
*J. vet. Pharmacol. Therap.*, 13, 361 (1990)
- A57. P. Delatour et al  
Chiral behaviour of the metabolite albendazole sulphoxide in sheep, goats and cattle  
*Research in Veterinary Science*, 50, 134 (1991)
- A58. G. Geisslinger et al  
Stereoselective high performance liquid chromatographic determination of flurbiprofen in human plasma  
*J. Chromatogr.*, 573, 163 (1992)
- A59. Emmanuelle Royer  
Pharmacocinetique du Toltrazuril et de ses metabolites de S-oxydation chez le rat et le mouton; Enantiomerie du Sulfoxyde  
*Ecole nationale veterinaire de Lyon, THESE*, 16, (1992)
- A60. J. Hermansson et al  
Chiral HPLC separations of vinca alkaloid analogues on  $\alpha_1$ -acid glycoprotein and human serum albumin columns  
*J. Chromatogr.* 609 163 (1992)
- A61. Anne-Francoise Aubry et al  
Enantioselective chromatography of the antimalarial agents chloroquine, mefloquine and enpiroline on a  $\alpha_1$ -acid glycoprotein chiral stationary phase: evidence for a multiple-site chiral recognition mechanism  
*Chirality*, 4, 30 (1992)
- A62. J. Iredale et al  
Determination of hydroxychloroquine and its major metabolites in plasma using sequential achiral-chiral high-performance liquid chromatography  
*J. Chromatogr.*, 573, 253 (1992)
- A63. P. Guinebault et al.  
Plasma determination of the enantiomers of SL 84.0418, a new antihyperglycaemic drug, by HPLC on a chiral  $\alpha_1$ -AGP column  
*Chirality*, 4, 116 (1992)
- A64. U. Norinder and J. Hermansson  
Chiral separation of N-aminoalkylsuccinamides on an  $\alpha_1$ -acid glycoprotein column: quantitative structure-enantioselectivity relationship study  
*Chirality*, 3, 422 (1991)
- A65. V. Ascalone et al  
Determination of the enantiomers of SL 84.0418, a new antihyperglycaemic drug, in human plasma by means of a stereospecific HPLC method  
Poster presented at HPLC«92 in Baltimore (June 14-19)
- A66. L.A. Sly et al  
Development of a chiral separation for Beraprost using an  $\alpha_1$ -acid glycoprotein column  
Poster presented at HPLC«92 in Baltimore (June 14-19)
- A67. J.V. Andersen et al  
Simultaneous determination of (R)- and (S)-naproxen and (R)- and (S)-6-O-desmethylnaproxen by high-performance liquid chromatography on a CHIRAL-AGP column  
*J. Chromatogr.*, 577, 362 (1992)
- A68. H. Fieger et al  
Direct determination of the enantiomeric ratio of verapamil, its major metabolite norverapamil and gallopamil in plasma by chiral high performance liquid chromatography  
*J. Chromatogr.*, 575, 255 (1992)

- A69. E. Arvidsson et al  
Retention processes on  $\alpha_1$ -acid glycoprotein-bonded stationary phase  
J. Chromatogr., 591, 55 (1992)
- A70. B. Herényi et al  
Chiral high-performance liquid chromatographic separations on an  $\alpha_1$ -acid glycoprotein column. II. Separation of the diastereomeric and enantiomeric analogues of vinpocetine (Cavinton)  
J. Chromatogr., 592, 297 (1992)
- A71. D.R. Taylor et al  
Chiral separations by high-performance liquid chromatography  
J. Chromatographic Science, 30, 67 (1992)
- A72. N. Mörk et al  
Stereoselective enzymatic hydrolysis of various ester prodrug of ibuprofen and flurbiprofen in human plasma  
Pharmaceutical Research, 9 (no.4), 492 (1992)
- A73. J. Haginaka et al  
Retention, enantioselectivity and enantiomeric elution order of propranolol and its ester derivatives on an  $\alpha_1$ -acid glycoprotein-bonded column  
Chromatographia, 33 (no.3/4), 127 (1992)
- A74. S. D. Mcaleer et al  
Measurement of the (R)- and (S)-isomers of warfarin in patients undergoing anticoagulant therapy  
Chirality, 4 (no.8) 488 (1992)
- A75. J.E. Drouin et al  
Optimization of the mobile phase for the liquid chromatographic separation of modafinil optical isomers on a CHIRAL-AGP column  
J. Chromatogr., 605 19 (1992)
- A76. A.M. Dyas  
The chiral chromatographic separation of beta-adrenoceptor blocking drugs  
J. Pharmaceutical & Biomedical Analysis, 10 (no. 6) 383 (1992)
- A77. S. Menzel-Soglowek et al  
Variability of inversion of (R)-flurbiprofen in different species  
J. of Pharmaceutical Sciences, 81(no.9) 888 (1992)
- A78. A.P. Beresford et al  
Advantages of achiral h.p.l.c. as a preparative step for chiral analysis in biological samples and its use in toxicokinetic studies  
Xenobiotica, 22 (no.7) 789 (1992)
- A79. G.J. Furlonger et al  
Coupled-column chiral LC systems for drug metabolism studies  
Poster presented at 3rd ISCD in Tubingen, October 1992
- A80. D. Haupt et al  
Separation of (R)- and (S)-naproxen using micellar chromatography and an  $\alpha_1$ -acid glycoprotein column: application for chiral monitoring in human liver microsomes by coupled-column chromatography  
J. Biochem. and Biophys. Methods, 24:4 273 (1992)
- A81. C.B. Ea  
Plasma levels of trimipramine and metabolites in four patients: determination of the enantiomer concentrations of the hydroxy metabolites  
Therapeutic Drug Monitoring, 14 380 (1992)
- A82. Z. Feng et al  
Chiral separation of nipecotic acid amides  
J. Chromatography, 609 187 (1992)
- A83. J.M. Evans et al  
Separation of the enantiomers of some potassium channel activators using an  $\alpha_1$ -acid glycoprotein column  
J. Chromatography, 623 163 (1992)
- A84. N. Schmidt et al  
Stereoselective determination of the enantiomers of methadone in plasma using high-performance liquid chromatography  
J. Chromatography, 583 195 (1992)
- A85. J. Hermansson et al  
Characterization of a Chiral-AGP capillary column coupled to a micro sample-enrichment system with UV and electrospray mass spectrometric detection  
J. Chromatogr. 631 79 (1993)
- A86. A.K. Rasyamas et al  
Determination of verapamil enantiomers in serum following racemate administration using HPLC  
J. Liq. Chromatography, 15(17) 3013 (1992)
- A87. C.R. Lef et al  
Liquid and high-pressure carbon dioxide chromatography of beta-blockers. Resolution of the enantiomers of nadolol  
J. Chromatography, 539 55 (1991)
- A88. F.A. Maris et al  
Applicability of new chiral stationary phases in the separation of racemic pharmaceutical compounds by high-performance liquid chromatography  
J. Chromatography, 547 45 (1991)
- A89. H. Fieger et al  
Enantioselective determination of hydroxychloroquine and its major metabolites in urine and the observation of a reversal in the (+)/(-)-hydroxychloroquine ratio  
Chirality, 5(no.2) 65 (1993)
- A90. A-F. Aubry et al  
An in vitro study of the stereoselective dissolution of (rac)-verapamil from two sustained release formulations  
Chirality, 5(no.2) 84 (1993)
- A91. L.A. Sly et al  
Isomeric separation of Beraprost sodium using an  $\alpha_1$ -acid glycoprotein column  
J. Chromatography, 641 249 (1993)
- A92. D. Haupt et al  
Enantiomeric separations of remoxipride, propranolol and trimipramine on CHIRAL-AGP using micellar chromatography and anionic additives  
Chirality, 5 224 (1993)

- A93. D. Demetriou et al  
HPLC separation of the enantiomers of nicotine and nicotine-like compounds  
*Chirality*, 5 300 (1993)
- A94. I. Fitos et al  
Stereoselective distribution of acenocoumarol enantiomers in human plasma  
*Chirality*, 5 346 (1993)
- A95. H. Huhnerfuss et al  
Enantioselective and nonenantioselective degradation of organic pollutants in the marine ecosystem  
*Chirality*, 5 393 (1993)
- A96. S. Menzel et al  
Stereoselectivity of biliary excretion of 2-arylpropionates in rats  
*Chirality*, 5 422 (1993)
- A97. Y. Gouraud et al  
Preparative direct liquid chromatographic resolution of RU 48159 racemate (analgesic drug)  
Poster presented at Fourth International Symposium on Chiral Discrimination, Sept. 1993, Montreal, Canada
- A98. A. Doroudian et al  
Sensitive high-performance liquid chromatographic method for direct separation of labetalol stereoisomers in biological fluids using an  $\alpha_1$ -acid glycoprotein stationary phase  
*J. Chromatography*, 619 79 (1993)
- A99. J. Xaver de Fries et al  
Direct column liquid chromatographic enantiomer separation of the coumarin anticoagulants phenprocoumon, warfarin, acenocoumarol and metabolites on an  $\alpha_1$ -acid glycoprotein chiral stationary phase  
*J. Chromatography*, 644 315 (1993)
- A100. J. Hermansson et al  
Dynamic modification of the chiral bonding properties of a CHIRAL-AGP column by organic and inorganic additives. Separation of enantiomers of anti-inflammatory drugs  
*J. Chromatography*, 666 181 (1994)
- A101. J. Hermansson et al  
Optimization of the separation of enantiomers of basic drugs. Retention mechanisms and dynamic modification of the chiral bonding properties on an  $\alpha_1$ -acid glycoprotein column  
*J. Chromatography*, 694 57 (1995)
- A102. May Y.K. Ho et al.  
Pre-treatment of chiral  $\alpha_1$ -AGP column with triethylamine significantly improves detection sensitivity of enantiomeric leucotriene antagonist  
*J. Liq. Chromatogr.*, 17 761 (1994)
- A103. G. Blaschke et al.  
Evaluation of the stereoselective metabolism of the chiral analgesic drug etodolac by high-performance liquid chromatography  
*J. Chromatogr.*, 621 199 (1993)
- A104. A. Suzuki et al.  
Determination of the R,R- and S,S-enantiomers of vamicamide in human serum and urine by high performance liquid chromatography on a Chiral-AGP column.  
*J. Chromatogr.*, 617 279 (1993)
- A105. K. Kristensen et al.  
Enantioselective high-performance liquid chromatographic method for the determination of methadone in serum using an AGP and a CN column as chiral and analytical column, respectively.  
*J. Chromatogr.*, 666 283 (1994)
- A106. A. P. Watt et al.  
Resolution of synthetic (+)- and (-)-epibatidine by chiral high performance liquid chromatography and identification of the natural isomer.  
*J. Liq. Chromatogr.*, 17 1257 (1994)
- A107. L. Wallen et al.  
High-performance liquid chromatographic method for the enantioselective analysis of mefloquine in plasma and urine.  
*J. Chromatogr.*, 655 153 (1994)
- A108. C. Pepper et al.  
Racemization of drug enantiomers by benzylic proton abstraction at physiological pH  
*Chirality*, 6 400 (1994)
- A109. E. Benoit et al.  
Effect of cytochrome P-450 1A induction on enantioselective metabolism and pharmacokinetics of an aryltrifluoromethyl sulfide in the rat  
*Chirality*, 6 372 (1994)
- A110. J.X. de Vries et al  
The analysis of ibuprofen enantiomers in human plasma and urine by high performance liquid chromatography on an  $\alpha_1$ -acid glycoprotein chiral stationary phase  
*J. Liquid Chromatography*, 17(10) 2127 (1994)
- A111. S.A. Corlett et al  
Enantiomeric separation of R- and S- ifosfamide and their determination in serum from clinical subjects  
*J. Chromatogr.*, 654 152 (1994)
- A112. A. Nasal et al  
Quantitative relationships between the structure of  $\beta$ -adrenolytic and antihistamine drugs and their retention on an  $\alpha_1$ -acid glycoprotein HPLC column  
*Biomedical Chromatography*, 8 125 (1994)
- A113. W.J. Wechter et al  
Chiral pharmacokinetics of Rac-flurbiprofen and pharmacodynamics of anabolic bone response in the normal rat  
*Chirality*, 6 457 (1994)
- A114. S. Surapaneni et al  
A preliminary pharmacokinetic study of the enantiomers of the terfenadine acid metabolite in humans  
*Chirality*, 6 479 (1994)

- A115. N. Schmidt et al  
Stereoselective pharmacokinetics of methadone in beagle dogs  
*Chirality*, 6 492 (1994)
- A116. Th. Jira et al  
Synthese und HPLC-Trennung chiraler 1,3,4-Thiadiazine und 1,3,4-Selenadiazine  
*Pharmazie*, 49 401 (1994)
- A117. M.H. Mills et al  
Determination of ketorolac enantiomers in plasma using enantioselective liquid chromatography on an  $\alpha_1$ -acid glycoprotein chiral stationary phase and ultraviolet detection  
*J. Chromatography B*, 658 177 (1994)
- A118. V. Chapeau et al  
High-performance liquid chromatographic determination of oxodipine enantiomers, a new 1,4-dihydro-pyridine, applied to stereoselectivity studies in man and dog  
*J. Chromatography B*, 660 341 (1994)
- A119. F. Li et al  
Determination of the enantiomers of bunolol in human urine by high-performance liquid chromatography on a CHIRAL-AGP stationary phase and identification of their metabolites by gas chromatography-mass spectrometry  
*J. Chromatography B*, 660 327 (1994)
- A120. Y. Wei et al.  
A HPLC method for the separation and quantification of the enantiomers of hydroxychloroquine and its three major metabolites  
*J. Liq. Chromatogr.*, 17 3479 (1994)
- A121. D.J. Jones et al.  
Detection of ketorolac enantiomers in human plasma using enantioselective liquid chromatography  
*J. Chromatogr. B*, 661 165 (1994)
- A122. P. Hayball et al.  
Market enantioselective protein binding in humans of ketorolac in vitro: Elucidation of enantiomer unbound fractions following facile synthesis and direct chiral HPLC resolution of tritium-labelled ketorolac  
*Chirality*, 6 662 (1994)
- A123. D. Haupt et al.  
Retention model for the resolved enantiomers of felodipine on Chiral-AGP using micellar mobile phases  
*Chirality* 7 23 (1995)
- A124. C. Pepper et al.  
Enantioselectivity of aromatase inhibitors: substituted 3-(4-aminophenyl)pyrrolidine-2,5-diones  
*Chirality* 7 376 (1995)
- A125. I. Fitos et al  
Separation of enantiomers of benzodiazepines on the CHIRAL-AGP column  
*J. Chromatogr. A*, 709 265 (1995)
- A126. C. Rudolphi et al  
Determination of the stereoselective aspects in in-vitro and in-vivo metabolism of the analgesic meptazinol by high-performance liquid chromatography  
*J. Chromatogr. B*, 663 315 (1995)
- A127. B.M. Bunton et al  
Chiral separation of MDL 73,005EF enantiomers using an  $\alpha_1$ -acid glycoprotein column  
*J. Chromatogr. A*, 699 389 (1995)
- A128. Jiu Li Huang et al  
High-performance liquid chromatographic determination of thiopentone enantiomers in sheep plasma  
*J. Chromatogr. B*. 673 245 (1995)
- A129. P. Mangoni et al  
Stereospecific high-performance liquid chromatographic determination of an S(-)-benzopyran methyl ester derivative (CGP 50 068), its (-)-carboxylic acid metabolite (CGP 55 461) and the related (+)-enantiomer (CGP 54 228) in human and dog plasma  
*J. Chromatogr. B*, 664 393 (1995)
- A130. G. Tybring et al.  
Enantioselective Determination of Mianserin and Its Desmethyl Metabolite in Plasma During Treatment of depressed Japanese Patients  
*Therapeutic drug monitoring* 17:516-521 (1995)
- A131. A. Carabaza et al.  
Stereoselective Metabolic Pathways of Ketaprofen in the Rat: Incorporation Into Triacylglycerols and Enantiomeric Inversion.  
*CHIRALITY* 8:163-172(1996)
- A132. M. Dahl et al  
Stereoselective disposition of mianserin is related to debrisoquin hydroxylation polymorphism  
*Clin Pharmacol Ther* 56:176-183 (1994)
- A133. G. Tybring et al  
Enantioselective hydroxylation of omeprazole catalyzed by CYP2C19 in Swedish healthy subjects.  
In manuscript
- A134. A. Karlsson et al.  
Enantiomeric Resolution on CHIRAL-AGP Using Experimental Design.  
Poster, Analytikerdagarna, Stockholm June 1996
- A135. A. Trute et al  
Separation of Rosmarinic Acid Enantiomers by Three Different Chromatographic Methods (HPLC, CE, GC) and the Determination of Rosmarinic Acid in *Hedera helix* L.  
*Phytochemical Analysis*, vol 7, 204-208 (1996)
- A136. D. J. Jones et al  
Determination of (R)-(+)- and (S)-(-)-isomers of thiopentone in plasma by chiral high-performance liquid chromatography  
*J. Chromatogr. B*, 675: 174-179 (1996)

- A137. G. Geisslinger et al  
Stereospecific determination of tiaprofenic acid in plasma: problems with drug degradation  
J. Chromatogr. B, 675: 77-81(1996)
- A138. R. Kaliszan et al  
Quantitative structure-retention relationships in the examination of the topography of the binding site of antihistamine drugs on a  $\alpha_1$ -acid glycoprotein  
J. Chromatogr A, 722: 25-32 (1996)
- A139. G. Stagni et al  
Simultaneous analysis of verapamil and norverapamil enantiomers in human plasma by high-performance liquid chromatography  
J. Chromatogr. B, 667: 349-354 (1995)
- A140. S.A. Corlett et al  
High-performance liquid chromatographic determination of the enantiomers of cyclophosphamide in serum  
J. Chromatogr. B, 682: 337-342 (1996)
- A141. A.A. Vletter et al  
High-performance liquid chromatographic assay of mepivacaine enantiomers in human plasma in the nanogram per milliliter range  
J. Chromatogr. B, 678: 369-372 (1996)
- A142. J-O Svensson et al  
Determination of ketamine and norketamine enantiomers in plasma by solid-phase extraction and high-performance liquid chromatography  
J. Chromatogr. B, 678: 373-376 (1996)
- A143. K. Kristensen et al  
Stereoselective Pharmacokinetics of Methadone in Chronic Pain Patients  
Therapeutic Drug Monitoring 18:221-227(1996)
- A144. A. Karlsson et al  
Optimisation of Chiral Separation of Omeprazole and One of Its Metabolites on Immobilized  $\alpha_1$ -Acid Glycoprotein Using Chromatographia vol. 44, no. 1/2, January (1997)
- A145. D. Haupt  
Determination of citalopram enantiomers in human plasma by liquid chromatographic separation on a Chiral-AGP column  
J. Chromatogr. B, 685: 299-305 (1996)
- A146. A. Nyström et al  
Enantiomeric resolution on Chiral-AGP with the aid of experimental design. Unusual effects of mobile phase pH and column temperature  
J. Chromatogr. A, 763: 105-113 (1997)
- A147. J. Gottfries et al  
Influence of chromatographic descriptors on enantioresolution of a dihydropyridine and structurally related compounds  
J. Chromatogr. A, 763: 115-123 (1997)
- A148. A. Ceccato et al  
Direct liquid chromatographic enantioseparation of sotalol and other  $\beta$ -blockers using an  $\alpha_1$ -acid glycoprotein-based chiral stationary phase  
J. Chromatogr A, 760:193-203 (1997)
- A149. G. Fornasini et al  
Preliminary Pharmacokinetic Study of Ibuprofen Enantiomers After Administration of a New Oral Formulation (Ibuprofen Arginine) to Healthy Male Volunteers  
CHIRALITY 9:297-302 (1997)
- A150. J.S. Millership et al  
Topical Administration of Racemic Ibuprofen  
CHIRALITY 9:313-316 (1997)
- A151. I. Yokoyama et al  
Simultaneous enantiomeric determination of a gastroprokinetic agent mosapride citrate and its metabolite in plasma using  $\alpha_1$ -acid glycoprotein HPLC column  
J. Chromatogr. B, 703, 185-193 (1997)
- A152. M. Johansson et al  
Quantification of oxybutynin and its N-desethyl metabolite in plasma using LC-MS  
Poster. Analytikerdagarna, Stockholm June 1996
- A153. I. Abraham et al  
Simultaneous analysis of lignocaine and bupivacaine enantiomers in plasma by high-performance liquid chromatography  
J. Chromatogr. B, 703, 203-208 (1997)
- A154. J. Luksa et al  
Pharmacokinetic behaviour of R-(+)- and S-(-)-amlodipine after single enantiomer administration  
J. Chromatogr. B, 703, 185-193 (1997)
- A155. A. Karlsson et al  
Enantiomeric separation of amino alcohols on protein phases - a comparative study  
Poster presented at HPLC'98 in St. Louis, May 1998
- A156. A. Nyström et al  
The use of different organic modifiers to control the retention order of enantiomers on CHIRAL-AGP  
Poster presented at HPLC'98 in St. Louis, May 1998
- A157. K. Öhlén et al  
Simultaneous separation of verapamil and norverapamil on CHIRAL-AGP using experimental design  
Poster presented at HPLC'98 in St. Louis, May 1998
- A158. J.P. Fawcett et al  
Stereoselective urinary excretion of bupivacaine and its metabolites during epidural infusion  
Chirality, 11, 50-55 (1999)
- A159. K. Gyimesi-Forrás et al  
New data on the sorption properties of  $\alpha_1$ -Acid Glycoprotein chiral stationary phase  
Chirality 11, 212-217 (1999)

- A160. M.S. Waters et al  
Mechanistic aspects of chiral discrimination by surface-immobilized  $\alpha_1$ -Acid Glycoprotein  
Chirality 11, 224-232 (1999)
- A161. S. Rudaz et al  
Chiral stationary phases in HPLC for the stereoselective determination of methadone  
Chirality 11, 319-325 (1999)
- A162. S. Rudaz et al  
Development of validated stereoselective methods for methadone determination in clinical samples  
Chirality 11, 487-494 (1999)
- A163. C. Alvarez et al  
Stereoselective drug release from ketoprofen and ribendazole matrix tablets  
Chirality 11, 611-615 (1999)
- A164. I. Fitos et al  
Stereoselective allosteric binding interaction on human serum albumin between ibuprofen and lorazepam acetate  
Chirality 11, 115-120 (1999)
- A165. H.M. Yan et al  
A pharmacokinetic study of racemic pindolol in the rat with enantioselective HPLC bioanalysis  
Abstract
- A166. J. Hermansson  
Immobilized  $\alpha_1$ -Acid Glycoprotein and cellobiohydrolase as chiral selectors. Basic characteristics and unique modifier effects  
Chiral '95 Europe
- A167. T. Arvidsson et al  
Lack of metabolic racemization of ropivacaine determined by liquid chromatography using a CHIRAL-AGP column  
Chirality 7, 272-277 (1994)
- A168. Separation of dioxolane compounds
- A169. B.P.S. Capece et al  
Pharmacokinetic behaviour of albendazole sulphoxide enantiomers in male and female sheep  
Vet.Res.Comm., 24, 339-348 (2000)
- A170. D. Zhong et al  
Enantioselective determination of propafenone and its metabolites in human plasma by liquid chromatography-mass spectrometry  
J.Chromatogr. B., 721, 67-75 (1999)
- A171. R.C. Williams et al  
Optimization and validation of chiral high-performance liquid chromatographic method for analysis of a fibrogen (gpIIb/IIIa) receptor antagonist  
J.Chromatogr. A., 844, 171-179 (1999)
- A172. H.Wang et al  
Analysis of bioactive components in traditional Chinese medicines by molecular biochromatography with  $\alpha_1$ -Acid Glycoprotein stationary phase  
Rew. Clin. Bas. Pharmacol., 11, 155-172 (2000)
- A173. H.R. Angelo et al  
Enantioselective high-performance liquid chromatographic method for the determination of methadone and its main metabolite in urine using an AGP and a C8 column coupled  
J. Chromatogr. B, 724, 35-40 (1999)
- A174. D.M. Shackelford et al  
A small-scale synthesis and enantiomeric resolution of (RS)-[1- $^{14}$ C]-2-phenylpropionic acid and biosynthesis of its diastereomeric acyl glucuronides  
J.Labelled Comp.& Radiopharm., 44, 225-234 (2001)
- A175. K. Gyimesi-Forrás et al  
Optical resolution of a series of potential cholecystokinin antagonist 4(3H)-quinazolone derivatives by chiral liquid chromatography on  $\alpha_1$ -Acid Glycoprotein stationary phase  
J. Chromatogr. Sci., 38, 430-434 (2000)
- A176. M.G. Quaglia et al  
Human  $\alpha_1$ -Acid Glycoprotein as chiral selector in the enantioseparation of midodrine and deglymidodrine racemates by HPLC  
J.Pharm.Biomed.Analysis, 18, 171-177 (1998)
- A177. P.M. Yehl et al  
Mechanisms of retention of pyrrolidinylnorephedrine on immobilized  $\alpha_1$ -Acid Glycoprotein  
Chirality 12, 107-113 (2000)
- A178. I. Hermansson et al  
Resolution of enantiomers of amino acid derivatives on chiral protein columns  
Poster presented at the 5th ISCD in Stockholm, September 25-28, 1994
- A179. S.A. Wood et al  
Optimisation of the enantiomeric separation of 12 2-aminotetralin analogues using CHIRAL-AGP high-performance liquid chromatography by simultaneous factorial design  
J.Pharm.Biomed.Analysis, 16, 231-237 (1997)
- A180. R. Sandstrom et al  
Enantiomeric separation of verapamil and norverapamil using CHIRAL-AGP as the stationary phase  
J.Pharm.Biomed.Analysis, 21, 43-49 (1999)
- A181. J.J. Garcia et al  
Quantitative determination of albendazole and its main metabolites in plasma  
J. Chromatogr. B, 723, 265-271 (1999)
- A182. M. Sueyasu et al  
Improved method of determining thiamylal enantiomers in human serum by high-performance liquid chromatography  
J. Chromatogr. B, 723, 307-311 (1999)
- A183. P. Kintz et al  
Enantioselective separation of methadone and its main metabolite in human hair by liquid chromatographic/ion spray-mass spectrometry  
J. Forensic Sciences, 42, 291-295 (1997)

A184. S.O. Choi et al  
Stereoselective determination of cetirizine and studies on pharmacokinetics in rat plasma  
J. Chromatogr. B, 744, 201-206 (2000)

A185. E. Brandsteterova et al  
Achiral and chiral high-performance liquid chromatography of verapamil and its metabolites in serum samples  
J. Chromatogr. B, 732, 395-404 (1999)

A186. C. Udata et al  
Synthesis, stereoselective enzymatic hydrolysis and skin permeation of diastereomeric propranolol ester prodrugs  
J. Pharm.Sciences, 88, 544-550 (1999)

## References CHIRAL-CBH

C1. P. Erlandsson et al  
Immobilized cellulase (CBH 1) as a chiral stationary phase for direct resolution of enantiomers  
J. Amer. Chem. Soc., 112: 4573 (1990)

C2. I. Marle et al  
Separation of enantiomers using cellulase (CBH I) silica as a chiral stationary phase  
J. Chromatogr., 586 233 (1991)

C3. I. Marle et al  
Chiral stationary phases based on intact and fragmented cellobiohydrolase I immobilized on silica  
J. Chromatogr., 648:333 (1993)

C4. J. Hermansson et al  
Resolution of racemic drugs on a new chiral column based on silica immobilized CBH. Characterization of the basic properties of the column  
J. Chromatogr..A, 687:174 (1994)

C5. D.J. Mayo et al  
Direct chiral resolution of the drug, 15-deoxyspergualin, using a cellobiohydrolase liquid chromatographic column  
J. Pharm, Biomed. Anal., 14, 457-463 (1996)

C6. H.Y. Aboul-Enein et al  
Direct enantiomeric separation of cathinone and one major metabolite on cellobiohydrolase (CBH-1) chiral stationary phase  
Biomedical Chromatogr.,11, 47-49 (1997)

C7. T. Fornstedt et al  
Chiral assay of atenolol present in microdialysis and plasma samples of rats using CHIRAL-CBH as stationary phase  
Chirality, 9, 329-334 (1997)

C8. T.R. Kommuri et al  
Effect of chiral enhancers on the permeability of optically active and racemic metoprolol across hairless mouse skin  
Chirality, 11, 536-540 (1999)

C9. M. Brunnenberg et al  
Stereospecific analysis of ecstasy-like N-ethyl-3,4-methylenedioxyamphetamine and its metabolites in humans  
J. Chromatogr. B, 751, 9-18 (2001)

C10. K. Fulde et al  
Temperature induced inversion of the elution order in the enantioseparation of sotalol on a cellobiohydrolase 1-based stationary phase  
J. Chromatogr. A, 858, 33-43 (1999)

## References CHIRAL-HSA

H1.J. Hermansson et al  
Chiral HPLC separations of vinca alkaloid analogues on alpha<sub>1</sub>-acid glycoprotein and human serum albumin columns  
J. Chromatogr. 609:163 (1992)

H2.Peter J. Hayball  
Influence of octanoic acid on the reversible protein binding of ketorolac enantiomers to human serum albumin (HSA): comparative liquid chromatographic studies using a HSA chiral stationary phase  
J. Chromatogr. B, 662:128 (1994)

H3.I. Hermansson et al  
Resolution of enantiomers of amino acid derivatives on chiral protein columns  
Poster presented at the 5th ISCD in Stockholm, September 25-28, 1994

H4. I Fitos et al  
Stereoselective allosteric binding interaction on human serum albumin between ibuprofen and lorazepam acetate  
Chirality, 11, 115-120 (1999)