

SCIEX 治疗药物监测(TDM)发表文章目录 (第二卷)



抗肿瘤类药物

- 1. A high-performance liquid chromatography-tandem mass spectrometry method for the clinical combination study of carboplatin and anti-tumor agent eribulin mesylate (E7389) in human plasma. Journal of Chromatography B.
- 2. A liquid chromatography-tandem mass spectrometry method for the determination of 5-Fluorouracil degradation rate by intact peripheral blood mononuclear cells. Therapeutic drug monitoring.
- 3. A New, Validated Wipe-Sampling Procedure Coupled to LC-MS Analysis for the Simultaneous Determination of 5-Fluorouracil, Doxorubicin and Cyclophosphamide in Surface Contamination. Journal of Analytical Toxicology.
- 4. A rapid and sensitive LC/ESI-MS/MS method for quantitative analysis of docetaxel in human plasma and its application to a pharmacokinetic study. Journal of Chromatography B.
- 5. A rapid and sensitive liquid chromatography/tandem mass spectrometry method for determination of docetaxel in human plasma. Rapid communications in mass spectrometry.
- 6. A robust LC-MS/MS method for the simultaneous determination of docetaxel and voriconazole in rat plasma and its application to pharmacokinetic studies. Biomedical Chromatography.
- 7. A sensitive combined assay for the quantification of paclitaxel, docetaxel and ritonavir in human plasma using liquid chromatography coupled with tandem mass spectrometry. Journal of Chromatography B.
- 8. A simple and sensitive assay for the quantitative analysis of paclitaxel and metabolites in human plasma using liquid chromatography/tandem mass spectrometry. Biomedical Chromatography.

- 9. A simple and sensitive assay for the quantitative analysis of paclitaxel in human and mouse plasma and brain tumor tissue using coupled liquid chromatography and tandem mass spectrometry. Journal of mass spectrometry.
- 10. A simultaneous determination method for 5-fluorouracil and its metabolites in human plasma with linear range adjusted by in-source collision-induced dissociation using hydrophilic interaction liquid chromatography-electrospray ionization-tandem mass spectrometry. Biomedical Chromatography.
- 11. A UFLC-MS/MS method coupled with one-step protein precipitation for determination of docetaxel in rat plasma: Comparative pharmacokinetic study of modified nanostructured lipid carrier. Journal of Pharmaceutical and Biomedical Analysis.
- 12. Analytical and clinical validation of a dried blood spot assay for the determination of paclitaxel using high-performance liquid chromatography tandem mass spectrometry. Clinical Biochemistry.
- 13. A 384-Well Solid-Phase Extraction for LC/MS/MS Determination of Methotrexate and Its 7-Hydroxy Metabolite in Human Urine and Plasma. Analytical chemistry.
- 14. A fast LC-MS/MS assay for methotrexate monitoring in plasma: validation, comparison to FPIA and application in the setting of carboxypeptidase therapy. Analytical Methods.
- 15. A simple, rapid and reliable liquid chromatography-mass spectrometry method for determination of methotrexate in human plasma and its application to therapeutic drug monitoring. Biomedical Chromatography.
- 16. Simultaneous determination of methotrexate and its polyglutamate metabolites in Caco-2 cells by liquid chromatography-tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis.
- 17. A validated LC-MS/MS assay for the simultaneous determination of the an-

- ti-leukemic agent dasatinib and two pharmacologically active metabolites in human plasma: Application to a clinical pharmacokinetic study. Journal of Pharmaceutical and Biomedical Analysis.
- 18. Determination of imatinib and its active metabolite N-desmethyl imatinib in human plasma by liquid chromatography/tandem mass spectrometry. Analytical and bioanalytical chemistry.
- 19. Determination of methotrexate and its major metabolite 7-hydroxymethotrexate in mouse plasma and brain tissue by liquid chromatography-tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis.
- 20. Flow injection analysis vs. ultra high performance liquid chromatography coupled with tandem mass spectrometry for determination of imatinib in human plasma. Clinica Chimica Acta
- 21. Simultaneous quantitation of azole antifungals, antibiotics, imatinib, and raltegravir in human plasma by two-dimensional high-performance liquid chromatography-tandem mass spectrometry. Journal of Chromatography B.
- 22. A rapid & sensitive liquid chromatography-tandem mass spectrometry method for the quantitation of busulfan levels in plasma & application for routine therapeutic monitoring in haematopoietic stem cell transplantation. The Indian journal of medical research.
- 23. A sensitive and rapid liquid chromatography tandem mass spectrometry method for quantitative determination of 7-ethyl-10-hydroxycamptothecin (SN-38) in human plasma containing liposome-based SN-38 (LE-SN38). Biomedical Chromatography.
- 24. Hydrophilic interaction liquid chromatography/tandem mass spectrometry for the simultaneous determination of dasatinib, imatinib and nilotinib in mouse plasma. Rapid Communications in Mass Spectrometry.
- 25. A validated LC-MS/MS assay for simultaneous quantification of methotrexate

- and tofacitinib in rat plasma: application to a pharmacokinetic study. Biomedical Chromatography.
- 26. LC-MS/MS method development for quantification of busulfan in human plasma and its application in pharmacokinetic study. Journal of Pharmaceutical and Biomedical Analysis.
- 27. Cellular uptake profile of paclitaxel using liquid chromatography tandem mass spectrometry. Rapid communications in mass spectrometry.
- 28. Comparative evaluation of the My5-FU ™ immunoassay and LC-MS/MS in monitoring the 5-fluorouracil plasma levels in cancer patients. Clin Chem Lab Med.
- 29. Cyclophosphamide and 4-hydroxycyclophosphamide pharmacokinetics in patients with glomerulonephritis secondary to lupus and small vessel vasculitis. British Journal of Clinical Pharmacology.
- 30. Determination of carboplatin in human plasma using HybridSPE-precipitation along with liquid chromatography-tandem mass spectrometry. Journal of Chromatography B.
- 31. Determination of eniluracil and 5-fluorouracil in human plasma by LC-MS/MS. Bioanalysis.
- 32. Application of High Performance Liquid Chromatography/Tandem Mass Spectrometry in the Environmental and Biological Monitoring of Health Care Personnel Occupationally Exposed to Cyclophosphamide and Ifosfamide. Rapid communications in mass spectrometry.
- 33. Determination of paclitaxel and other six taxoids in Taxus species by high-performance liquid chromatography-tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis.
- 34. Determination of tegafur, 5-fluorouracil, gimeracil and oxonic acid in human

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- 35. Determination of unbound docetaxel and paclitaxel in plasma by ultrafiltration and liquid chromatography-tandem mass spectrometry. Journal of Chromatography A.
- 36. Development and Validation of a Liquid Chromatography-Tandem Mass Spectrometry Assay for the Quantification of Docetaxel and Paclitaxel in Human Plasma and Oral Fluid. Anal. Chem. .
- 37. Development and validation of a rapid and sensitive UPLC-MS/MS method for determination of total docetaxel from a lipid microsphere formulation in human plasm. Journal of Chromatography B.
- 38. Development and validation of an ultrafiltration-UPLC-MS/MS method for rapid quantification of unbound docetaxel in human plasma. Journal of Chromatography B.
- 39. Development and validation of LC-MS/MS assays for the quantification of E7080 and metabolites in various human biological matrices. Journal of Chromatography B.
- 40. Development of a sensitive and selective LC-MS/MS method for simultaneous determination of gemcitabine and 2,2-difluoro-2-deoxyuridine in human plasma. Journal of Chromatography B.
- 41. Development of a sensitive and selective LC-MS/MS method for the determination of α -fluoro- β -alanine, 5-fluorouracil and capecitabine in human plasma. Journal of chromatography B.
- 42. Development of a UPLC-MS/MS method for the determination of ten anticancer drugs in hospital and urban wastewaters, and its application for the screening of human metabolites assisted by information-dependent acquisi-

- tion tool (IDA) in sewage samples. Anal Bioanal Chem.
- 43. Development of an LC-MS/MS assay for the quantitative determination of the intracellular 5-fluorouracil nucleotides responsible for the anticancer effect of 5-fluorouracil. Journal of Pharmaceutical and Biomedical Analysis.
- 44. Dispersive solid-phase extraction procedure coupled to UPLC-ESI-MS/MS analysis for the simultaneous determination of thirteen cytotoxic drugs in human urine. Biomed. Chromatogr.
- 45. Fatal poisoning with Taxus baccata. Quantification of Paclitaxel (taxol A),10-Deacetyltaxol, Baccatin III, 10-Deacetylbaccatin III, Cephalomannine (taxol B), and 3,5-Dimethoxyphenol in Body Fluids by Liquid Chromatography-Tandem Mass Spectrometry. Journal of Analytical Toxicology.
- 46. Highly selective and sensitive assay for paclitaxel accumulation by tumor cells based on selective solid phase extraction and micro-flow liquid chromatography coupled to mass spectrometry. Analyst.
- 47. Highly sensitive high-performance liquid chromatography/selective reaction monitoring mass spectrometry method for the determination of cyclophosphamide and ifosfamide in urine of health care workers exposed to antineoplastic agents. Rapid Communications in Mass Spectrometry.
- 48. High-performance Liquid Chromatography Tandem Mass Spectrometry Procedure with Automated Solid Phase Extraction Sample Preparation for the Quantitative Determination of Paclitaxel (Taxol1) in Human Plasma. Rapid Communications in Mass Spectrometry.
- 49. High-throughput plasma docetaxel quantification by liquid chromatography-tandem mass spectrometry. Clinica Chimica Acta.
- 50. Liquid-Liquid Extraction Procedure for Trace Determination of Cyclophosphamide in Human Urine by High-performance Liquid Chromatography Tandem Mass Spectrometry. Rapid Communications in Mass Spectrometry.

- 51. A validated LC-MS/MS method for rapid determination of methotrexate in human saliva and its application to an excretion evaluation study. Journal of Chromatography B.
- 52. simultaneous determination of plasma methotrexate and 7-hydroxy methotrexate by UHPLC-MS/MS in patients receiving high-dose methotrexate therapy. Journal of Pharmaceutical Analysis.
- 53. Quantification of Gemcitabine Incorporation into Human DNA by LC-MS/MS as a Surrogate Measure for Target Engagement. Anal. Chem. .
- 54. Quantification of intact carboplatin in human plasma ultrafitrates using hydrophilic interaction liquid chromatography-tandem mass spectrometry and its application to a pharmacokinetic study. Journal of Chromatography B.
- 55. Quantitation of paclitaxel and its two major metabolites using a liquid chromatography-electrospray ionization tandem mass spectrometry. Journal of Chromatography B.
- 56. Quantitative analysis of docetaxel in human plasma using liquid chromatography coupled with tandem mass spectrometry. BIOMEDICAL CHROMATOGRAPHY.
- 57. Quantitative analysis of gemcitabine triphosphate in human peripheral blood mononuclear cells using weak anion-exchange liquid chromatography coupled with tandem mass spectrometry. Journal of mass spectrometry.
- 58. Quantitative determination of capecitabine and its six metabolites in human plasma using liquid chromatography coupled to electrospray tandem mass spectrometry. Journal of Chromatography B.
- 59. Quantitative determination of paclitaxel and its metabolites, 6a-hydroxypaclitaxel and p-30-hydroxypaclitaxel, in human plasma using column-switching liquid chromatography/tandem mass spectrometry. Biomed. Chromatogr.

- 60. Rapid and sensitive determination of paclitaxel(Taxol1) in environmental samples by high performance liquid chromatography tandem mass spectrometry. Rapid Communications in Mass Spectrometry.
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- 62. Sensitive analysis and pharmacokinetic study of a novel gemcitabine carbamate prodrug and its active metabolite gemcitabine in rats using LC-ESI-MS/MS. Journal of Chromatography B.
- 63. Sensitive MS/MS-liquid chromatography assay for simultaneous determination of tegafur, 5-fluorouracil and 5-fluorodihydrouracil in plasma. Journal of Chromatography B.
- 64. Simultaneous analysis of cyclophosphamide, doxorubicin and doxorubicinol by liquid chromatography coupled to tandem mass spectrometry. Journal of Chromatography B.
- 65. Simultaneous determination of capecitabine and its three nucleoside metabolites in human plasma by high performance liquid chromatography-tandem mass spectrometry. Journal of Chromatography B.
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- 67. Simultaneous determination of cyclophosphamide, ifosfamide, doxorubicin, epirubicin and daunorubicin in human urine using high-performance liquid chromatography/electrospray ionization tandem mass spectrometry: bioanalytical method validation. Rapid Communications in Mass Spectrometry.
- 68. Simultaneous determination of doxifluridine and 5-fluorouracil in monkey

- serum by high performance liquid chromatography with tandem mass spectrometry. Journal of Chromatography B.
- 69. Simultaneous determination of gemcitabine prodrug, gemcitabine and its major metabolite 2′, 2′- difluorodeoxyuridine in rat plasma by UFLC-MS/MS. Journal of Chromatography B.
- 70. Simultaneous determination of gemcitabine, taxol, cyclophosphamide and ifosfamide in wipe samples by high-performance liquid chromatography/ tandem mass spectrometry: protocol of validation and uncertainty of measurement. Rapid Communications in Mass Spectrometry.
- 71. Simultaneous determination of low levels of methotrexate and cyclophosphamide in human urine by micro liquid chromatography/electrospray ionization tandem mass spectrometry. Rapid Communications in Mass Spectrometry.
- 72. Simultaneous quantification of cyclophosphamide and its active metabolite 4-hydroxycyclophosphamide in human plasma by high-performance liquid chromatography coupled with eletrospray ionization tandem mass spectroscopy (LC-MS/MS). Journal of Chromatography B.
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- 74. Simultaneous Quantitative Analysis of Polyethylene glycol (PEG),PEGylated Paclitaxel and Paclitaxel in Rats By MS/MSALL Technique with Hybrid Quadrupole Time-of-Flight Mass Spectrometry. Journal of Pharmaceutical and Biomedical Analysis.
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- 81. LC- MS/ MS 法测定乌苯美司及甲氨蝶呤在临床药物相互作用中的应用. 中国现代医生.
- 82. 人血浆中甲氨蝶呤的高效液相色谱法测定及其代谢物的质谱定性分析. 药学实践杂志.
- 83. 液相色谱串联质谱法快速测定人血浆中紫杉醇的含量. 现代仪器.
- 84. LC-M S/MS 法测定人血 浆中紫杉醇的浓度. 沈阳药科大学学报.
- 85. HPLC- MS/MS 测定人血浆中 5-氟尿嘧啶的浓度. 药物分析杂志.
- 86. 液相色谱串联质谱法测定人血浆中甲氨蝶呤的血药浓度及其临床应用. 中国医院药学杂志.
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- 89. LC-MS/MS法测定血浆中多西他赛和紫杉醇浓度及在乳腺癌患者中的应用. 药学与临床研究.
- 90. HPLC-MS/MS测定人血浆中5-氟尿嘧啶的浓度.药物分析杂志.
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- 92. HPLC-MS/MS 法测定白血病患者血浆甲氨蝶呤浓度. 临床药物治疗杂志.
- 93. FPIA 法和 HPLC-MS/MS 法测定甲氨蝶呤血药浓度的相关性研究. 中南药学.
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- 95. HPLC-MS/MS 法测定人血浆中甲氨蝶呤浓度的不确定度评定. 中南药学.
- 96. 高效液相色谱质谱联用法测定风湿免疫病患者口服低浓度甲氨蝶呤的血药浓度. 中国临床药理学杂志.
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