

## **Suven Discovery Research Publications**

### **1. Methoxsalen as an in vitro phenotyping tool in comparison with 1-aminobenzotriazole.**

Palacharla RC, Molgara P, Panthangi HR, Boggavarapu RK, Manoharan AK, Ponnamaneni RK, Ajjala DR, Nirogi R.

Xenobiotica. 2018 Feb 15:1-8.

### **2. Safety, Tolerability and Pharmacokinetics of the Serotonin 5-HT<sub>6</sub> Receptor Antagonist, SUVN-502, in Healthy Young Adults and Elderly Subjects.**

Nirogi R, Mudigonda K, Bhyrapuneni G, Muddana NR, Goyal VK, Pandey SK, Palacharla RC.

Clin Drug Investig. 2018 Jan 29.

### **3. Simultaneous monitoring of electroencephalographic characteristics in animals subjected to behavioral tests: a preclinical investigation.**

Nirogi R, Daripelli S, Benade V, Tirumalasetty C, Bhyrapuneni G, Jayarajan P.

Behav Pharmacol. 2017 Dec;28(8):661-669.

### **4. Simultaneous monitoring of electroencephalographic characteristics in animals subjected to behavioral tests: a preclinical investigation.**

Nirogi R, Daripelli S, Benade V, Tirumalasetty C, Bhyrapuneni G, Jayarajan P.

Behav Pharmacol. 2017 Dec;28(8):661-669.

### **5. Quantitative in vitro phenotyping and prediction of drug interaction potential of CYP2B6 substrates as victims.**

Palacharla RC, Nirogi R, Uthukam V, Manoharan A, Ponnamaneni RK, Kalaikadhiban I.

Xenobiotica. 2017 Jul 28:1-13.

### **6. Development and validation of sensitive LC-MS/MS method for the quantification of SUVN-502 and its metabolite and its application for first in human pharmacokinetic study.**

Nirogi R, Ajjala DR, Aleti R, Rayapati L, Pantangi HR, Boggavarapu RK, Padala NSP.

J Pharm Biomed Anal. 2017 Oct 25;145:423-430.

**7. Mechanistic evaluation of tapentadol in reducing the pain perception using in-vivo brain and spinal cord microdialysis in rats.**

Benade V, Nirogi R, Bhyrapuneni G, Daripelli S, Ayyanki G, Irappanavar S, Ponnamaneni R, Manoharan A.

Eur J Pharmacol. 2017 Aug 15; 809: 224-230.

**8. Incurred sample reanalysis of fingolimod and fingolimod phosphate in blood: stability evaluation and application to a rat pharmacokinetic study.**

Nirogi R, Padala NP, Ajjala DR, Boggavarapu RK, Kunduru P

Bioanalysis. 2017 Apr; 9(7):565-577.

**9. Discovery and Development of 1-[(2-Bromophenyl)sulfonyl]-5-methoxy-3-[(4-methyl-1-piperazinyl)methyl]-1H-indole Dimesylate Monohydrate (SUVN-502): A Novel, Potent, Selective and Orally Active Serotonin 6 (5-HT<sub>6</sub>) Receptor Antagonist for Potential Treatment of Alzheimer's Disease.**

Nirogi R, Shinde A, Kambhampati RS, Mohammed AR, Saraf SK, Badange RK, Bandyala TR, Bhatta V, Bojja K, Reballi V, Subramanian R, Benade V, Palacharla RC, Bhyrapuneni G, Jayarajan P, Goyal V, Jasti V.

J Med Chem. 2017 Mar 9; 60(5):1843-1859

**10. Inhibition of cytochrome P450 enzymes by saturated and unsaturated fatty acids in human liver microsomes, characterization of enzyme kinetics in the presence of bovine serum albumin (0.1 and 1.0% w/v) and in vitro - in vivo extrapolation of hepatic clearance.**

Palacharla RC, Uthukam V, Manoharan A, Ponnamaneni RK, Padala NP, Boggavarapu RK, Bhyrapuneni G, Ajjala DR, Nirogi R.

Eur J Pharm Sci. 2017 Apr 1; 101: 80-89.

**11. Simultaneous in-vivo receptor occupancy assays for serotonin 1A, 2A, and dopamine 2 receptors with the use of non-radiolabelled tracers: Proposed method in screening antipsychotics.**

Thentu JB, Nirogi R, Bhyrapuneni G, Ajjala DR, Aleti RR, Palacharla RC

J Pharmacol Toxicol Methods. 2017 May - Jun; 85: 22-28

**12. Synthesis and biological evaluation of novel N1-phenylsulphonyl indole derivatives as potent and selective 5-HT6R ligands for the treatment of cognitive disorders.**

Nirogi R, Bandyala TR, Gangadasari PR, Khagga M.

J Enzyme Inhib Med Chem. 2016;31(sup1):1-15.

**13. Chronic treatment with a selective 5-HT6 receptor antagonist alters the behavioral and neurochemical effects of ethanol in young adult rats.**

Jayarajan P, Nirogi R, Shinde A, Benade V, Muddana NR.

Behav Pharmacol. 2016 Apr;27(2-3 Spec Issue):225-35.

**14. Therapeutic Potential of 5-HT6 Antagonist SB399885 in Traumatic Stress Disorder.**

Abraham R, Nirogi R, Shinde A, Benade VS.

Drug Res (Stuttg). 2015 Aug;65(8):442-5.

**15. Low-dose prazosin in combination with 5-HT6 antagonist PRX-07034 has antipsychotic effects.**

Abraham R, Nirogi R, Shinde A, Irupannanavar S.

Can J Physiol Pharmacol. 2015 Jan;93(1):13-21.

**16. Evaluation of metabolism dependent inhibition of CYP2B6 mediated bupropion hydroxylation in human liver microsomes by monoamine oxidase inhibitors and prediction of potential as perpetrators of drug interaction.**

Nirogi R, Palacharla RC, Mohammed AR, Manoharan A, Ponnamaneni RK, Bhyrapuneni G

Chem Biol Interact. 2015 Mar 25;230:9-20.

**17. Determining the effect of storage conditions on prothrombin time, activated partial thromboplastin time and fibrinogen concentration in rat plasma samples.**

5: Goyal VK, Kakade S, Pandey SK, Gothi AK, Nirogi R.

Lab Anim. 2015 Oct;49(4):311-8

**18. 5-HT6 receptor antagonist attenuates the memory deficits associated with neuropathic pain and improves the efficacy of gabapentinoids.**

Jayarajan P, Nirogi R, Shinde A, Goura V, Babu VA, Yathavakilla S, Bhyrapuneni G

Pharmacol Rep. 2015 Oct;67(5):934-42.

**19. Synthesis and SAR of Imidazo[1,5-a]pyridine derivatives as 5-HT<sub>4</sub> receptor partial agonists for the treatment of cognitive disorders associated with Alzheimer's disease**

Nirogi R, Mohammed AR, Shinde AK, Bogaraju N, Gagginapalli SR, Ravella SR, Kota L, Bhyrapuneni G, Muddana NR, Benade V, Palacharla RC, Jayarajan P, Subramanian R, Goyal VK.

Eur J Med Chem. 2015 Oct 20;103:289-301..

**20. Evaluation of clinical chemistry analytes from a single mouse using diluted plasma: effective way to reduce the number of animals in toxicity studies.**

Goyal VK, Pandey SK, Kakade S, Nirogi R.

Lab Anim. 2015 Dec 6.

**21. Benzamide derivatives and their constrained analogs as histamine H<sub>3</sub> receptor antagonists.**

Nirogi R, Shinde A, Tiriveedhi V, Kota L, Saraf SK, Badange RK, Mohammed AR, Subramanian R, Muddana N, Bhyrapuneni G, Abraham R.

Eur J Med Chem. 2016 Jan 27;108:655-62

**22. Skin sample preparation by collagenase digestion for diclofenac quantification using LC-MS/MS after topical application.**

Nirogi R, Padala NS, Boggavarapu RK, Kalaikadhiban I, Ajjala DR, Bhyrapuneni G, Muddana NR.

Bioanalysis. 2016 Jun;8(12):1251-63.

**23. Mutagenicity and clastogenicity evaluation of metaphenoxy benzyl chloride by ames and micronucleus assays.**

Nirogi R, Goyal VK, Jana S, Pandey SK, Gothi A.

Drug Chem Toxicol. 2014 Aug 11:1-6

**24. Chemical inhibitors of CYP450 enzymes in liver microsomes: combining selectivity and unbound fractions to guide selection of appropriate concentration in phenotyping assays.**

Nirogi R, Palacharla RC, Uthukam V, Manoharan A, Srikakolapu SR, Kalaikadhiban I, Boggavarapu RK, Ponnamaneni RK, Ajjala DR, Bhyrapuneni G.

Xenobiotica. 2014 Jul 29:1-12.

**25. Role of glutamate and advantages of combining memantine with a 5HT6 ligand in a model of depression.**

Abraham R, Nirogi R, Shinde A.

Pharmacol Rep. 2014 Jun; 66(3):394-8.

**26. Design, synthesis and pharmacological evaluation of indolylsulfonamide amines as potent and selective 5-HT6 receptor antagonists.**

Nirogi RV, Bandyala TR, Reballi V, Konda JB, Daulatabad AV, Khagga M.

J Enzyme Inhib Med Chem. 2014 Mar 25. [Epub ahead of print]

**27. Identification of a suitable and selective inhibitor towards aldehyde oxidase catalyzed reactions.**

Nirogi R, Kandikere V, Palacharla RC, Bhyrapuneni G, Kanamarlapudi VB, Ponnamaneni RK, Manoharan AK.

Xenobiotica. 2014 Mar;44(3):197-204.

**28. Effect of olanzapine on scopolamine induced deficits in differential reinforcement of low rate 72s (DRL-72s) schedule in rats: involvement of the serotonergic receptors in restoring the deficits.**

Jayarajan P, Nirogi R, Shinde A.

Eur J Pharmacol. 2013 Nov 15; 720(1-3):344-54.

**29. LC-MS/MS method for the determination of pitolisant: application to rat pharmacokinetic and brain penetration studies.**

Nirogi R, Ajjala DR, Kandikere V, Pantangi HR, Jonnala MR, Bhyrapuneni G, Muddana NR, Vurimindi H.

Biomed Chromatogr. 2013 Nov;27(11):1431-7

**30. LC-MS/MS method for the quantification of almotriptan in dialysates: application to rat brain and blood microdialysis study.**

Nirogi R, Ajjala DR, Kandikere V, Aleti R, Pantangi HR, Srikakolapu SR, Benade V, Bhyrapuneni G, Vurimindi H.

J Pharm Biomed Anal. 2013 Jul-Aug;81-82:160-7.

**31.  $\alpha 4\beta 2^*$  neuronal nicotinic receptor ligands (agonist, partial agonist and positive allosteric modulators) as therapeutic prospects for pain.**

Nirogi R, Goura V, Abraham R, Jayarajan P.  
Eur J Pharmacol. 2013 Jul 15;712(1-3):22-9.

**32. In-vivo rat striatal 5-HT<sub>4</sub> receptor occupancy using non-radiolabelled SB207145.**

Nirogi R, Kandikere V, Bhyrapuneni G, Saralaya R, Ajjala DR, Aleti RR, Rasheed MA.  
J Pharm Pharmacol. 2013 May; 65(5):704-12.

**33. Aripiprazole in an animal model of chronic alcohol consumption and dopamine D<sub>2</sub> receptor occupancy in rats.**

Nirogi R, Kandikere V, Jayarajan P, Bhyrapuneni G, Saralaya R, Muddana N, Abraham R.  
Am J Drug Alcohol Abuse. 2013 Mar;39(2):72-9.

**34. A sensitive and selective quantification of catecholamine neurotransmitters in rat microdialysates by pre-column dansyl chloride derivatization using liquid chromatography-tandem mass spectrometry.**

Nirogi R, Komarneni P, Kandikere V, Boggavarapu R, Bhyrapuneni G, Benade V, Gorentla S.  
J Chromatogr B Analyt Technol Biomed Life Sci. 2013 Jan 15; 913-914:41-7.

**35. LC-MS/MS method for the quantification of aldose reductase inhibitor-epalrestat and application to pharmacokinetic study.**

Nirogi R, Kandikere V, Ajjala DR, Bhyrapuneni G, Muddana NR.  
J Pharm Biomed Anal. 2013 Feb 23;74:227-34.

**36. Design, synthesis and pharmacological evaluation of 4-(piperazin-1-yl methyl)-N<sub>1</sub>-arylsulfonyl indole derivatives as 5-HT<sub>6</sub> receptor ligands.**

Nirogi RV, Badange R, Kambhampati R, Chindhe A, Deshpande AD, Tiriveedhi V, Kandikere V, Muddana N, Abraham R, Khagga M.  
Bioorg Med Chem Lett. 2012 Dec 15;22(24):7431-5.

**37. N,N-Dimethyl-[9-(arylsulfonyl)-2,3,4,9-tetrahydro-1H-carbazol-3-yl]amines as novel, potent and selective 5-HT<sub>6</sub> receptor antagonists.**

Nirogi RV, Konda JB, Kambhampati R, Shinde A, Bandyala TR, Gudla P, Kandukuri KK, Jayarajan P, Kandikere V, Dubey PK.

Bioorg Med Chem Lett. 2012 Nov 15;22(22):6980-5.

**38. Dried blood spot analysis of an iron chelator--deferasirox and its potential application to therapeutic drug monitoring.**

Nirogi R, Ajjala DR, Kandikere V, Aleti R, Srikakolapu S, Vurimindi H.

J Chromatogr B Analyt Technol Biomed Life Sci. 2012 Oct 15;907:65-73.

**39. Design, synthesis, and pharmacological evaluation of piperidin-4-yl amino aryl sulfonamides: novel, potent, selective, orally active, and brain penetrant 5-HT<sub>6</sub> receptor antagonists.**

Nirogi R, Shinde A, Daulatabad A, Kambhampati R, Gudla P, Shaik M, Gampa M, Balasubramaniam S, Gangadasari P, Reballi V, Badange R, Bojja K, Subramanian R, Bhyrapuneni G, Muddana N, Jayarajan P.

J Med Chem. 2012 Nov 8;55(21):9255-69.

**40. Approach to reduce the non-specific binding in microdialysis.**

Nirogi R, Kandikere V, Bhyrapuneni G, Benade V, Saralaya R, Irappanavar S, Muddana N, Ajjala DR.

J Neurosci Methods. 2012 Aug 15;209(2):379-87.

**41. Pharmacokinetic profiling of efavirenz-emtricitabine-tenofovir fixed dose combination in pregnant and non-pregnant rats.**

Nirogi R, Bhyrapuneni G, Kandikere V, Muddana N, Saralaya R, Komarneni P, Mudigonda K, Mukkanti K.

Biopharm Drug Dispos. 2012 Jul;33(5):265-77.

**42. Methyllycaonitine: a non-radiolabeled ligand for mapping  $\alpha 7$  neuronal nicotinic acetylcholine receptors - in vivo target localization and biodistribution in rat brain.**

Nirogi R, Kandikere V, Bhyrapuneni G, Saralaya R, Muddana N, Komarneni P.

J Pharmacol Toxicol Methods. 2012 Jul;66(1):22-8.

**43. Comparison of manual and automated filaments for evaluation of neuropathic pain behavior in rats.**

Nirogi R, Goura V, Shanmuganathan D, Jayarajan P, Abraham R.

J Pharmacol Toxicol Methods. 2012 Jul;66(1):8-13.

**44. Rat thalamic  $\alpha_4\beta_2$  neuronal nicotinic acetylcholine receptor occupancy assay using LC-MS/MS.**

Nirogi R, Kandikere V, Bhyrapuneni G, Saralaya R, Muddana N, Ajjala DR.

J Pharmacol Toxicol Methods. 2012 May-Jun;65(3):136-41.

**45. In vivo receptor occupancy assay of histamine  $H_3$  receptor antagonist in rats using non-radiolabeled tracer.**

Nirogi R, Kandikere V, Bhyrapuneni G, Muddana N, Saralaya R, Ponnamaneni RK, Manoharan AK.

J Pharmacol Toxicol Methods. 2012 May-Jun;65(3):115-21.

**46. Difference in the norepinephrine levels of experimental and non-experimental rats with age in the object recognition task.**

Nirogi R, Abraham R, Jayarajan P, Medapati RB, Shanmuganathan D, Kandikere V, Irappanavar S, Saralaya R, Benade V, Bhyrapuneni G, Muddana N.

Brain Res. 2012 May 9;1453:40-5.

**47. Exploring dried blood spot sampling technique for simultaneous quantification of antiretrovirals: lamivudine, stavudine and nevirapine in a rodent pharmacokinetic study.**

Nirogi R, Kandikere V, Komarneni P, Aleti R, Padala N, Kalaikadhiban I, Bhyrapuneni G, Muddana N.

Biomed Chromatogr. 2012 Dec;26(12):1472-81.

**48. Concurrent administration of atypical antipsychotics and donepezil: drug interaction study in rats.**

Nirogi R, Bhyrapuneni G, Kandikere V, Benade V, Muddana N, Saralaya R, Irappanavar S, Ponnamaneni R, Mukkanti K.

Eur J Drug Metab Pharmacokinet. 2012 Feb 3.



**49. LC-ESI-MS/MS method for quantification of ambrisentan in plasma and application to rat pharmacokinetic study.**

Nirogi R, Kandikere V, Komarneni P, Aleti R, Padala N, Kalaikadhiban I.  
Biomed Chromatogr. 2012 Oct;26(10):1150-6.

**50. Mutagenicity and clastogenicity evaluation of tacrine by Ames and micronucleus assays.**

Mulla MS, Vedamurthy RB, Jana S, Pandey SK, Goyal VK, Nirogi R.  
Drug Chem Toxicol. 2012 Oct;35(4):366-70.

**51. Comparison of whole body and head out plethysmography using respiratory stimulant and depressant in conscious rats.**

Nirogi R, Shanmuganathan D, Jayarajan P, Abraham R, Kancharla B.  
J Pharmacol Toxicol Methods. 2012 Jan;65(1):37-43.

**52. Effect of dimethyl sulfoxide on in vitro cytochrome P4501A2 mediated phenacetin O-deethylation in human liver microsomes.**

Nirogi R, Kandikere V, Bhyrapuneni G, Ponnamaneni RK, Palacharla Rc, Manoharan A.  
Drug Metab Dispos. 2011 Nov;39(11):2162-4.

**53. Synthesis and structure-activity relationship of novel conformationally restricted analogues of serotonin as 5-HT<sub>6</sub> receptor ligands.**

Nirogi RV, Kambhampati R, Kothmirkar P, Konda J, Bandyala TR, Gudla P, Arepalli S, Gangadasari NP, Shinde AK, Deshpande AD, Dwarampudi A, Chindhe AK, Dubey PK.  
J Enzyme Inhib Med Chem. 2012 Jun;27(3):443-50.

**54. Antinociceptive activity of  $\alpha 4\beta 2^*$  neuronal nicotinic receptor agonist A-366833 in experimental models of neuropathic and inflammatory pain.**

Nirogi R, Jabaris SL, Jayarajan P, Abraham R, Shanmuganathan D, Rasheed MA, Royapalley PK, Goura V.  
Eur J Pharmacol. 2011 Oct 1;668(1-2):155-62.

**55. Simultaneous extraction of acetylsalicylic acid and salicylic acid from human plasma and simultaneous estimation by liquid chromatography and atmospheric pressure chemical ionization/tandem mass spectrometry detection.** Application to a pharmacokinetic study.

Nirogi R, Kandikere V, Mudigonda K, Ajjala D, Suraneni R, Thoddi P.

Arzneimittelforschung. 2011;61(5):301-11.

**56. Rigidized 1-aryl sulfonyl tryptamines: synthesis and pharmacological evaluation as 5-HT<sub>6</sub> receptor ligands.**

Nirogi R, Dwarampudi A, Kambhampati R, Bhatta V, Kota L, Shinde A, Badange R, Jayarajan P, Bhyrapuneni G, Dubey PK.

Bioorg Med Chem Lett. 2011 Aug 1;21(15):4577-80.

**57. Quantification of cinacalcet by LC-MS/MS using liquid-liquid extraction from 50  $\mu$ L of plasma.**

Nirogi R, Kandikere V, Komarneni P, Aleti R, Padala N, Kalaikadiban I.

J Pharm Biomed Anal. 2011 Sep 10;56(2):373-81.

**58. Design, synthesis and pharmacological evaluation of conformationally restricted N-arylsulfonyl-3-aminoalkoxy indoles as a potential 5-HT<sub>6</sub> receptor ligands.**

Nirogi RV, Kambhampati R, Daulatabad AV, Gudla P, Shaikh M, Achanta PK, Shinde AK, Dubey PK.

J Enzyme Inhib Med Chem. 2011 Jun;26(3):341-9.

**59. Quantification of methyllycaconitine, selective  $\alpha(7)$  nicotinic receptor antagonist, in rodent plasma and brain tissue by liquid chromatography tandem mass spectrometry - application to neuropharmacokinetics of methyllycaconitine in rats.**

Nirogi R, Kandikere V, Komarneni P, Aleti R, Boggavarapu R, Bhyrapuneni G, Muddana N, Mukkanti K.

Biomed Chromatogr. 2011 Feb 18.

**60. Quantification of urapidil,  $\alpha$ -1-adrenoreceptor antagonist, in plasma by LC-MS/MS: validation and application to pharmacokinetic studies.**

Nirogi R, Kandikere V, Komarneni P, Aleti R, Boggavarapu R, Madala P.

Biomed Chromatogr. 2011 Dec;25(12):1319-26.

**61. Indole-3-piperazinyl derivatives: novel chemical class of 5-HT<sub>6</sub> receptor antagonists.**

Nirogi RV, Deshpande AD, Kambhampati R, Badange RK, Kota L, Daulatabad AV, Shinde AK, Ahmad I, Kandikere V, Jayarajan P, Dubey PK.

Bioorg Med Chem Lett. 2011 Jan 1;21(1):346-9.

**62. 5-HT<sub>4</sub> receptor agonists for the treatment of Alzheimer's disease**

Ishtiyaque Ahmad and Ramakrishna Nirogi,

Neuroscience & Medicine, 2, 87-92 (2011).

**63. Synthesis and biological activity of N1-substituted-3-aminoalkoxyindoles as potential 5-HT<sub>6</sub> receptor ligands**

Ramakrishna V.S. Nirogi, Anand V. Daultabad, Anil K Shinde, K.R. Sastry and P.K. Dubey

Der Pharma Chemica, 3(3), 153-163 (2011).

**64. Synthesis of novel (1-substituted benzenesulfonyl-1H-indol-5-yl)-(4-substituted piperazin-1-yl)-methanone derivatives as 5-HT<sub>6R</sub> ligands**

Ramakrishna V.S. Nirogi, Prabhakar Kothmirkar, Anil K. Shinde, Jagadish Babu K, K.R. Sastry and P.K. Dubey,

Der Pharma Chemica, 3(3), 221-231 (2011).

**65. Synthesis and activity of conformationally rigidized N1-substituted-3-amino alkoxy indoles using intramolecular Heck reaction**

Ramakrishna V.S. Nirogi, Anand V. Daulatabad, Anil K. Shinde, K.R. Sastry and P.K. Dubey,

Der Pharma Chemica, 3(3), 330-340 (2011).

**66. Liquid chromatography tandem mass spectrometry method for the quantification of sarpogrelate, a selective 5-HT<sub>2A</sub> receptor antagonist, in plasma: application to a pre-clinical pharmacokinetic study.**

Nirogi R, Kandikere V, Mudigonda K, Ajjala D, Suraneni R, Thoddi P.

Biomed Chromatogr. 2010 Nov;24(11):1159-67.

**67. Novel and Potent 5-Piperazinyl Methyl-N 1-aryl Sulfonyl Indole Derivatives as 5-HT<sub>6</sub> Receptor Ligands.**

Nirogi RV, Kothmirkar P, Kambhampati R, Konda JB, Arepalli S, Pamuleti NG, Deshpande AD, Bandyala T, Shinde AK, Dubey PK.

ACS Med Chem Lett. 2010 Jun 24;1(7):340-4.

**68. Synthesis and pharmacological evaluation of aryl aminosulfonamide derivatives as potent 5-HT<sub>6</sub> receptor antagonists.**

Nirogi RV, Daulatabad AV, Parandhama G, Mohammad S, Sastri KR, Shinde AK, Dubey PK.

Bioorg Med Chem Lett. 2010 Aug 1;20(15):4440-3.

**69. High-performance liquid chromatographic method for the separation of enantiomeric gatifloxacin.**

Nirogi R, Kota S, Vennila S, Lingavarapu B, Kandikere V, Mudigonda K, Vurimindi HB.

J Chromatogr Sci. 2010 Feb;48(2):100-3.

**70. Quantification of acetylcholine, an essential neurotransmitter, in brain microdialysis samples by liquid chromatography mass spectrometry.**

Nirogi R, Mudigonda K, Kandikere V, Ponnamaneni R.

Biomed Chromatogr. 2010 Jan;24(1):39-48.

**71. Liquid chromatography atmospheric pressure chemical ionization tandem mass spectrometry method for the quantification of pregabalin in human plasma.**

Nirogi R, Kandikere V, Mudigonda K, Komarneni P, Aleti R.

J Chromatogr B Analyt Technol Biomed Life Sci. 2009 Nov 15;877(30):3899-906.

**72. Liquid chromatography-tandem mass spectrometry method for the quantification of dimebon in rat plasma and brain tissue.**

Nirogi R, Kandikere V, Mudigonda K, Komarneni P, Boggavarapu R.

J Chromatogr B Analyt Technol Biomed Life Sci. 2009 Nov 1;877(29):3563-71.

**73. Sensitive liquid chromatography positive electrospray tandem mass spectrometry method for the quantitation of tegaserod in human plasma using liquid-liquid extraction.**

Nirogi R, Kandikere V, Mudigonda K.

J Chromatogr Sci. 2009 Feb;47(2):164-9.

**74. A simple and rapid method to collect the cerebrospinal fluid of rats and its application for the assessment of drug penetration into the central nervous system.**

Nirogi R, Kandikere V, Mudigonda K, Bhyrapuneni G, Muddana N, Saralaya R, Benade V.

J Neurosci Methods. 2009 Mar 30;178(1):116-9.

**75. Enantiomeric separation of Linezolid by chiral reversed-phase liquid chromatography.**

Nirogi R, Kota S, Katta RR, Vennila S, Kandikere V, Mudigonda K, Vurimindi HB.

J Chromatogr Sci. 2008 Oct;46(9):764-6.

**76. Simultaneous quantification of a non-nucleoside reverse transcriptase inhibitor efavirenz, a nucleoside reverse transcriptase inhibitor emtricitabine and a nucleotide reverse transcriptase inhibitor tenofovir in plasma by liquid chromatography positive ion electrospray tandem mass spectrometry.**

Nirogi R, Bhyrapuneni G, Kandikere V, Mudigonda K, Komarneni P, Aleti R, Mukkanti K.

Biomed Chromatogr. 2009 Apr;23(4):371-81.

**77. Sensitive liquid chromatography tandem mass spectrometry method for the quantification of Quetiapine in plasma.**

Nirogi R, Bhyrapuneni G, Kandikere V, Mudigonda K, Ajjala D, Mukkanti K.

Biomed Chromatogr. 2008 Oct;22(10):1043-55.

**78. Liquid chromatography tandem mass spectrometry method for the quantification of amisulpride with LLOQ of 100 pg/mL using 100 microL of plasma.**

Nirogi R, Bhyrapuneni G, Kandikere V, Mudigonda K, Ajjala D, Suraneni R, Mukkanti K.

Biomed Chromatogr. 2008 Dec;22(12):1424-33.

**79. Design, synthesis and preliminary screening of novel 3-(2-N,N-dimethylaminoethylthio) indole derivatives as potential 5-HT<sub>6</sub> receptor ligands.**

Kambhampati R, Konda J, Reballi V, Shinde AK, Dubey PK, Nirogi RV.

J Enzyme Inhib Med Chem. 2008 Jun;23(3):302-12.

**80. Liquid chromatography tandem mass spectrometry method for the quantification of clonidine with LLOQ of 10 pg/mL in human plasma.**

Nirogi R, Kandikere V, Mudigonda K, Komarneni P.

Biomed Chromatogr. 2008 Sep;22(9):992-1000.

**81. Liquid chromatography tandem mass spectrometry method for the quantification of rimonabant, a CB<sub>1</sub> receptor antagonist, in human plasma.**

Nirogi R, Kandikere V, Mudigonda K, Ajjala D.

Biomed Chromatogr. 2008 May;22(5):469-77.

**82. Sensitive liquid chromatography tandem mass spectrometry method for the quantification of sitagliptin, a DPP-4 inhibitor, in human plasma using liquid-liquid extraction.**

Nirogi R, Kandikere V, Mudigonda K, Komarneni P, Aleti R, Boggavarapu R.

Biomed Chromatogr. 2008 Feb;22(2):214-22.

**83. Rapid and simple liquid chromatography tandem mass spectrometry method for the quantification of zidovudine in rat plasma.**

Mudigonda K, Jukanti R, Apte SS, Kishan V, Maurya S, Kandikere V, Nirogi R.

Biomed Chromatogr. 2008 Jan;22(1):20-7.

**84. Quantification of tenatoprazole in rat plasma by HPLC: validation and its application to pharmacokinetic studies.**

Nirogi R, Kandikere V, Mudigonda K, Bhyrapuneni G.

Biomed Chromatogr. 2007 Dec;21(12):1240-4.

**85. Quantification of pramipexole in human plasma by liquid chromatography tandem mass spectrometry using tamsulosin as internal standard.**

Nirogi RV, Kandikere V, Shrivastava W, Mudigonda K, Maurya S, Ajjala D.

Biomed Chromatogr. 2007 Nov;21(11):1151-8.

**86. Chromatography-mass spectrometry methods for the quantitation of statins in biological samples.**

Nirogi R, Mudigonda K, Kandikere V.

J Pharm Biomed Anal. 2007 Jun 28;44(2):379-87.

**87. Quantitative determination of galantamine in human plasma by sensitive liquid chromatography-tandem mass spectrometry using loratadine as an internal standard.**

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