

CURRICULUM VITAE

Name : **Dr. S. SAMSHUDDIN**

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Date of Birth : 16-11-1983

Nationality : Indian

ACADEMIC QUALIFICATION

Examination Passed	Board	Name of the Institution	Year of Passing	Grade
B. Sc. (PCM)	Mangalore University	St. Philomena College, Darbe, Puttur - 574 202	June 2005	First Class with Distinction
M. Sc. (Chemistry)	Mangalore University	Department of Chemistry, Mangalore University	June 2007	First Class with Distinction
Ph. D. (Chemistry)	Mangalore University	Department of Chemistry, Mangalore University	Awarded Doctoral Degree on 20.04.2013	
Title of Ph.D. Thesis : Synthesis and Structural Studies of Some New Nitrogen Containing Heterocyclic Compounds				

WORK EXPERIENCE

S.No.	Position	Institution/Organization	Period
1.	Assistant Professor	Department of Chemistry, SDM Institute of Technology, Ujire - 574227	February 2016 - Till date
2.	Assistant Professor & Coordinator	Department of P.G. Studies in Chemistry, Alva's College, Moodabidri - 574227	July 2013 - February 2016 (2.5 Years)
3.	Lecturer (Temporary, During PhD Course)	Department of Chemistry, Mangalore University, Mangalagangothri- 574 199	August 2008 - May 2012 (4 Years)

4.	JRF	NPCIL-Kaiga Project, Department of Chemistry, Mangalore University, Mangalagangothri – 574 199	Feb 2008 – January 2011 (3 Years)
5.	Research officer	R & D Centre, Hikal Ltd., 32/1, Kalena Agrahara, Bannerghatta, Bangalore - 560 076	June 2007 - January 2008 (8 Months)

RESEARCH PUBLICATIONS

International Journals	:	110
Patents	:	01
National/International Conference proceedings	:	12
Total Publications	:	114
<i>h</i> -index	:	13

RESEARCH GUIDANCE

Research Centre: Sri Dharmasthala Manjunatheshwara Institute of Technology, Ujire
(Affiliated to Visvesvaraya Technological University, Belagavi)

Researcher ID : RSRI - VTU081784

S.No.	Name of the Candidate	Title of PhD Thesis	Date of Registration
1.	Avinash (USN: BL16PHCT010)	Design and synthesis of some new environmentally friendly corrosion inhibitors for metals	30-06-2016
2.	Swathi N. Phadke (USN: BL16PHCT067) [As Co-Supervisor]	A study on the corrosion inhibition of industrially important metals by synthetic heterocyclic compounds	30-06-2016

RESEARCH PROJECTS

S.No.	Title	Scheme/ Agency	Research Grant	Duration
1.	Design and synthesis of some new environmentally friendly corrosion inhibitors.	SMYSR Scheme, VGST, Karnataka	4.49 Lakhs	2017-19

PROFESSIONAL AFFILIATIONS

1. **Editor**, *International Journal of Modern Organic Chemistry*, Modern Scientific Press, USA, (ISSN: 2166-0174).
2. **Editor**, *Journal of Asian Scientific Research*, Asian Economic and Social Society (ISSN: 2223-1331).
3. **Associate Editor**, *International Journal of Advanced Science and Research*, AkiNik Publications (ISSN: 2455-4227).
4. **Editorial Board Member**, *Journal of Medicinal Chemistry & Toxicology*, Ommega Publishers (ISSN: 2575-808X)
5. **Editorial Board Member**, *World Journal of Organic Chemistry*, Science and Education Publishing Co. Ltd (ISSN: 2372-2169).
6. **Editorial Board Member**, *International Journal of Bioorganic Chemistry*, Science Publishing Group.
7. **Editorial Board Member**, *International Digital Library*, DB Publications.

AWARDS / SCHOLARSHIPS

1. Awarded UGC -BSR Research Fellowship (From June 2011 to June 2012)
2. Awarded CV Raman Scholarship during B.Sc Course.
3. Secured first prize in state level essay competition conducted by NAL Bangalore (Dec 2003).

PERSONAL INFORMATION

FATHER'S NAME : KUNHAPPA S
MOTHER'S NAME : AWVABI B
SEX : MALE
MARITAL STATUS : MARRIED
RELIGION : MUSLIM
LANGUAGES KNOWN : English, Kannada, Malayalam, Tulu

DECLARATION

I hereby solemnly declare that the above furnished information and particulars are true to the best of my knowledge and belief.

Date:

Place: Ujire

(S. Samshuddin)

Patents Filed:

Title : **A process for the preparation of 2-cyanoimino-1,3-thiazolidine**

Inventors : Kuppuswamy Nagarajan [In]; Gupta Rajender Pershad [In]; Satyanarayanaraju Bhupathiraju Naga [In]; Reddy Somu Madhava [In]; **Samshuddin Seranthimata** [In]; Jadhav K P [In]; Dhamnaskar Sham [In]

Applicant : Hikal Ltd., Bangalore

Patents in INPADOC } 1. **US2010311983 (A1) dated 09-12-2010**

Patent Family of } 2. **EP2252602 (A2) dated 24-11-2010**

US2010311983 } 3. **CA2714027 (A1) dated 17-09-2009**

4. **WO2009113098 (A2) dated 17-09-2009**

International Journals

1. Abhishek Kumar, A. Dwivedi, A. K. Srivastava, N. Misra, B. Narayana, **S. Samshuddin** & B. K. Sarojini (2017): Molecular Structures, Vibrational Spectra, Electronic Properties, and Molecular Docking of Two Pyrazoline Derivatives Containing 1-Carboxamide and 1-Carbothioamide: A Comparative Study, Polycyclic Aromatic Compounds, DOI: 10.1080/10406638.2015.1099553 (**Impact Factor: 1.569**).
2. Phadke Swathi, N., Alva, V.D.P. & **Samshuddin, S.** (2017) A Review on 1,2,4-Triazole Derivatives as Corrosion Inhibitors. *J Bio Tribo Corros* 3: 42.
3. Farook Adam, N. Ameram, **S. Samshuddin**, M. Brighten Antony and Musthakeem Ali Khan (2016) 1-[5-(2-Chlorophenyl)-3-(4-methylphenyl)-4,5-dihydro-1H-pyrazol-1-yl]ethan-1-one. *IUCrData*, 1: x1524.
4. Farook Adam, N. Ameram, S. D. Kamath, Pallavi and **S. Samshuddin** (2016) 4-Benzoyloxy-1,1'-biphenyl. *IUCrData*, 1: x160398
5. F. Adam, N. Ameram, **S. Samshuddin**, K. Akhilesh Bairy and M. S. Sunil (2016) 1-[(7E)-7-(2-Chlorobenzylidene)-3-(2-chlorophenyl)-3,3a,4,5,6,7-hexahydro-2H-indazol-2-yl]-Ethanone. *IUCrData*, 1(3): x160474

6. S. Naveen, **S. Samshuddin**, Manuel Rodrigues, Dandavathi Arunkumar, N. K. Lokanath and Ismail Warad (2016) (E)-N-[4-(Dimethylamino)benzylidene]propionohydrazide Monohydrate. *IUCrData*. 1, x161716.
7. **S. Samshuddin**, S. Naveen, D. Arunkumar, A. Mahesha, N. K. Lokanath and M. Abdoh (2016) N'-[(E)-4-Methoxybenzylidene]-2-(4-methylphenoxy)acetohydrazide. *IUCrData*. 1, x161877.
8. K. Smitha, B. Ramya Prabhu, **S. Samshuddin** and S. Dhiraj Kamath (2015) A comparative study of mineral contents in variety of bananas grown in coastal belt of Karnataka, India. *Asian Journal of Plant Science and Research*, 5(8):51-54.
9. D. Arunkumar, N. G. Avinash, Harshith Rao, K. B. Robin and **S. Samshuddin** (2015) Estimation of calcium, potassium and sodium contents in commonly consumed food of Karnataka coastal belt region, India. *Der Chemica Sinica*, 6(4):100-103.
10. S. Dhiraj Kamath, D. Arunkumar, N.G. Avinash and **S. Samshuddin** (2015) Determination of total phenolic content and total antioxidant activity in locally consumed food stuffs in Moodbidri, Karnataka, India. *Advances in Applied Science Research*, 6(6):99-102.
11. Harshith Rao, J. R. Smitha, T. Sathisha, G. B. Abhilasha and **S. Samshuddin** (2015) Determination of mineral levels in various seeds used as foodstuff in Mangalore Region, Karnataka, India. *Asian Journal of Plant Science and Research*, 5(6):77-79.
12. D. Arunkumar, P. Nevil Francis and **S. Samshuddin** (2015) Analysis of oils extracted from vegetable seeds for their suitability as biofuels. *Der Chemica Sinica*, 6(9):56-62.
13. Farook Adam, S. P. Charishma, B. Ramya Prabhu, **S. Samshuddin** and Nadiah Ameram (2015) Crystal structure of 3-(4-methylphenyl)-1-phenyl-5-[(E)-2-phenylethenyl]-1H-pyrazole. *Acta Cryst.* E71: o1020.
14. Farook Adam, **S. Samshuddin**, Nadiah Ameram, Subramanya and L. Samartha (2015) Crystal structure of 5-[4-(dimethylamino)phenyl]-3-(4-methylphenyl)-4,5-dihydro-1H-pyrazole-1-carbaldehyde. *Acta Cryst.* E71: o1031–o1032.
15. Farook Adam, **S. Samshuddin**, Shruthi, B. Narayana and Nadiah Ameram (2015) Crystal structure of 5-(4-methoxyphenyl)-3-(4-methylphenyl)-4,5-dihydro-1H-pyrazole-1-carbaldehyde. *Acta Cryst.* E71: o1093–o1094.
16. Farook Adam, K. Smitha, S. P. Charishma, **S. Samshuddin** and Nadiah Ameram (2015) Crystal structure of 1-{3-(4-methylphenyl)-5-[(E)-2-phenylethenyl]-4,5-dihydro-1H-pyrazol-1-yl}ethan-1-one. *Acta Cryst.* E71: o1095–o1096.

17. S. Samshuddin, S. Naveen, L. N. Ananya, P. Vishwanatha, N. K. Lokanath and M. Abdoh (2016) 2,5-Bis(4-chlorobenzylidene)cyclopentanone. IUCrData. 1, x161865.
18. S. Samshuddin, J.P. Jasinski, R.J. Butcher, E.A. Neuhardt, B. Narayana, H.S. Yathirajan & C. Glidewell (2014). *Three closely-related cyclohexanols (C₃₅H₂₇X₂N₃O₃; X = F, Cl or Br): similar molecular structures but different crystal structures*. *Acta Cryst. C* **70**, 953-959 (Impact Factor: 4.099).
19. S. Samshuddin, J.P. Jasinski, J.A. Golen, B. Narayana, H.S. Yathirajan & C. Glidewell (2014). *Hydrogen-bonded chains in 3,5-bis(4-fluorophenyl)-1-phenyl-1H-pyrazole and complex hydrogen-bonded sheets in (5R*S*,6*S*R)-6-(4-fluorobenzoyl)-5-(4-fluorophenyl)-2-(4-hydroxyphenyl)-5,6-dihydro-4*H*-1,3,4-oxadiazine *N,N*-dimethylformamide monosolvate*. *Acta Cryst. C* **70**, 867-871 (Impact Factor: 4.099).
20. Y. Sheena Mary, C. Yohannan Panicker, B. Narayana, S. Samshuddin, B.K. Sarojini & C. Van Alsenoy (2014). *FT-IR, molecular structure, HOMO–LUMO, MEP, NBO analysis and first order hyperpolarizability of Methyl 4, 4''-difluoro-5'-methoxy-1, 1': 3', 1''-terphenyl-4'-carboxylate*. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* **133**, 480-488 (Impact Factor: 2.536).
21. L. Kamath, K.B. Manjunatha, S. Shettigar, G. Umesh, B. Narayana, S. Samshuddin, B.K. Sarojini (2014). *Investigation of third-order nonlinear and optical power limiting properties of terphenyl derivatives*. *Optics & Laser Technology* **56**, 425-429 (Impact Factor: 2.109).
22. P. Sharma, S. Samshuddin, B. Narayana, R. Kant (2014). *Structure of *N*-hydroxy-4-phenylbut-3-en-2-imine*. *European Chemical Bulletin* **3** (5), 482-484.
23. R. Sharma, S. Samshuddin, B. Narayana, V.K. Gupta, R. Kant (2014). *Structural analysis of (2*E*)-3-[4-(1*H*-benzimidazol-2-ylmethoxy)phenyl]-1-(4-chlorophenyl)prop-2-en-1-one*. *European Chemical Bulletin* **3** (3), 214-216.
24. J.P. Jasinski, C.J. Guild, A.E. Pek, S. Samshuddin, B. Narayana, H.S. Yathirajan, R.J. Butcher (2013). *Synthesis and crystal structures of four new dihydropyridine derivatives*. *Journal of Chemical Crystallography* **43** (8), 429-442 (Impact Factor: 0.549).
25. A. M. Owczarzak, S. Samshuddin, B. Narayana, H. S. Yathirajan and M. Kubicki (2013) *Pseudosymmetry, polymorphism and weak interactions: 4,4''-difluoro-5'-hydroxy-1,1':3',1''-terphenyl-4'-carboxylic acid and its derivatives*. *CrystEngComm*, **15**, 9893-9898 (Impact Factor: 3.474).
26. S. Samshuddin, B. Narayana, B. K. Sarojini & L.N. Madhu (2013). *A study on the reactions of alkyl 4,6-bis(4-fluorophenyl)-2-oxocyclohex-3-ene-1-carboxylate and in vitro antioxidant activity of derivatives*. *Med. Chem. Res.* **22**, 3002–3011 (Impact Factor: 1.277).

27. S. Samshuddin, B. Narayana, H. S. Yathirajan, T. Gerber, E. Hosten & R. Betz (2013). Redetermination of the structure of 3-methyl-1,5-diphenyl-4,5-dihydro-1H-pyrazole, C₁₆H₁₆N₂. *Z. Kristallogr. NCS* **228**, 207-208.
28. R. Betz, T. Gerber, E. Hosten, S. Samshuddin, B. Narayana & B.K. Sarojini (2013). *Crystal structure of (2E)-3-(4-benzyloxyphenyl)-1-(4,4''-difluoro-5'-methoxy-1,1':3',1''-terphenyl-4'-yl)prop-2-en-1-one*, C₃₅H₂₆F₂O₃. *Z. Kristallogr. NCS* **228**, 144-146.
29. R. Betz, T. Gerber, E. Hosten, S. Samshuddin, B. Narayana & B.K. Sarojini (2013). *Crystal structure of (2E)-3-(biphenyl-4-yl)-1-(4,4''-difluoro-5'-methoxy-1,1':3',1''-terphenyl-4'-yl)prop-2-en-1-one*, C₃₄H₂₄F₂O₂. *Z. Kristallogr. NCS* **228**, 147-149.
30. K. Divya, B. Narayana & S. Samshuddin (2013). *New spectrophotometric methods for the determination of sulfadoxine by the formation of Co(II) complexes*. *J. Saudi Chem. Soc.* **2013**, doi: <http://dx.doi.org/10.1016/j.jscs.2013.03.011>.
31. M. Sapnakumari, B. Narayana, S. Samshuddin, B.K. Sarojini (2013). *2'-[(4-Fluorophenyl)carbonyl]-1'-phenyl-1',2',5',6',7',7a'-hexahydrospiro[indole-3,3'-pyrrolizin]-2(1H)-one*. *Molbank* **2013**, M802.
32. P.S. Nayak, B. Narayana, S. Samshuddin & B.K. Sarojini (2013). *2'-{[5-(Diphenylmethyl)-1,3,4-oxadiazol-2-yl]sulfanyl}-N-(pyrazin-2-yl)acetamide*. *Molbank* **2013**, M800.
33. J. P. Jasinski, C. J. Guild, H. S. Yathirajan, B. Narayana & S. Samshuddin (2013). *N-(4-Bromophenyl)acetamide: a new polymorph*. *Acta Cryst.* **E69**, o461.
34. S. Samshuddin, B. Narayana, B. K. Sarojini, M. T. H. Khan, H. S. Yathirajan, C. G. D. Raj & R. Raghavendra (2012). *Antimicrobial, analgesic, DPPH scavenging activities and molecular docking study of some 1,3,5-triaryl-2-pyrazolines*. *Med. Chem. Res.* **21**, 2012-2022 (Impact Factor: 1.277).
35. S. Samshuddin, B. Narayana, B. K. Sarojini, Divya N. Shetty and N.S. Kumari (2012). *Synthesis, characterization and biological evaluation of some new functionalized terphenyl derivatives*. *Int. J. Med. Chem.* 2012: Article ID 530392.
36. S. Samshuddin, B. Narayana, Divya N. Shetty, R. Srinivasan, B.K. Sarojini (2012). *(2E)-3-[4-(1H-Benzimidazol-2-ylmethoxy)-3-methoxyphenyl]-1-(4,4''-difluoro-5'-methoxy-1,1':3',1''-terphenyl-4'-yl)prop-2-en-1-one*. *Molbank* **2012**, M764.
37. S. Samshuddin, B. Narayana, B.K. Sarojini, H.S. Yathirajan & R. Raghavendra (2012). *Synthesis, characterization and biological evaluation of functionalized derivatives of versatile synthon 4,4'-difluoro chalcone*. *Der Pharma Chemica* **4 (4)**, 1445-1457.

- 38. S. Samshuddin**, B. Narayana, B. K. Sarojini, R. Srinivasan, Vinayachandra & K. R. Chandrashekar (2012) *Synthesis, characterization and biological evaluation of some pyrazoles derived from α,β -dibromo 4,4'-difluoro chalcone*. *Der Pharma Chemica* **4** (2), 587-592.
- 39. S. Samshuddin**, R. J. Butcher, S. O. Yildirim, M. Akkurt, B. Narayana & H. S. Yathirajan (2012). *(2E)-2-[(3E)-4-Phenylbut-3-en-2-ylidene]hydrazinecarboxamide*. *Acta Cryst.* **E68**, o76-o77.
- 40. S. Samshuddin**, R. J. Butcher, M. Akkurt, B. Narayana, B. K. Sarojini & H. S. Yathirajan (2012). *(1E,4E)-1-(3-Nitrophenyl)-5-phenylpenta-1,4-dien-3-one*. *Acta Cryst.* **E68**, o74-o75.
- 41. S. Samshuddin**, B. Narayana, H. S. Yathirajan, R. Betz, T. Gerber & E. Hosten (2012). *(E)-3-(2-Chlorophenyl)-1-(4,4''-difluoro-5'-methoxy-1,1':3',1''-terphenyl-4'-yl)prop-2-en-1-one*. *Acta Cryst.* **E68**, o1538-o1539.
- 42. R. Kant**, V. K. Gupta, K. Kapoor, **S. Samshuddin**, B. Narayana & B. K. Sarojini (2012). *N'-[(E)-4-Hydroxybenzylidene]-2-(naphthalen-2-yloxy)acetohydrazide*. *Acta Cryst.* **E68**, o2923-o2924.
- 43. H.-K. Fun**, T. S. Chia, **S. Samshuddin**, B. Narayana & B. K. Sarojini (2012). *N-(1,3-Dioxo-2,3-dihydro-1H-isoindol-2-yl)-4,4''-difluoro-5'-hydroxy-1,1':3',1''-terphenyl-4'-carboxamide*. *Acta Cryst.* **E68**, o2619-o2620.
- 44. R. Kant**, V. K. Gupta, K. Kapoor, **S. Samshuddin** & B. Narayana (2012). *2-[3,5-Bis(4-methoxyphenyl)-4,5-dihydro-1H-pyrazol-1-yl]-4,6-bis(4-methoxyphenyl)pyrimidine*. *Acta Cryst.* **E68**, o2398.
- 45. R. Kant**, V. K. Gupta, K. Kapoor, **S. Samshuddin** & B. Narayana (2012). *(2E)-1-(4,4''-Difluoro-5'-methoxy-1,1':3',1''-terphenyl-4'-yl)-3-[4-(methylsulfonyl)phenyl]prop-2-en-1-one*. *Acta Cryst.* **E68**, o2378.
- 46. H.-K. Fun**, W.-S. Loh, **S. Samshuddin**, B. Narayana & B. K. Sarojini (2012). *(2E)-1-(4,4''-Difluoro-5'-methoxy-1,1':3',1''-terphenyl-4'-yl)-3-(2-fluorophenyl)prop-2-en-1-one*. *Acta Cryst.* **E68**, o2024.
- 47. H.-K. Fun**, W.-S. Loh, **S. Samshuddin**, B. Narayana & B. K. Sarojini (2012). *(2E)-3-(4-Cyanophenyl)-1-(4,4''-difluoro-5'-methoxy-1,1':3',1''-terphenyl-4'-yl)prop-2-en-1-one*. *Acta Cryst.* **E68**, o1877-o1878.
- 48. H.-K. Fun**, S. Arshad, **S. Samshuddin**, B. Narayana & B. K. Sarojini (2012). *3,5-Bis(4-fluorophenyl)isoxazole*. *Acta Cryst.* **E68**, o1783.

49. H.-K. Fun, C. W. Ooi, **S. Samshuddin**, B. Narayana & B. K. Sarojini (2012). [2,6-Bis(biphenyl-4-yl)-4-hydroxy-4-(pyridin-2-yl)cyclohexane-1,3-diyl]bis[(pyridin-2-yl)methanone]-butan-2-one (1/1). *Acta Cryst.* **E68**, o1633-o1634.
50. H.-K. Fun, T. S. Chia, **S. Samshuddin**, B. Narayana & B. K. Sarojini (2012). (2E)-1-(4,4''-Difluoro-5'-methoxy-1,1':3',1''-terphenyl-4'-yl)-3-(2,6-difluorophenyl)prop-2-en-1-one. *Acta Cryst.* **E68**, o1560-o1561.
51. H.-K. Fun, T. S. Chia, **S. Samshuddin**, B. Narayana & B. K. Sarojini (2012). (2E)-3-(2-Bromophenyl)-1-(4,4''-difluoro-5'-methoxy-1,1':3',1''-terphenyl-4'-yl)prop-2-en-1-one. *Acta Cryst.* **E68**, o1314-o1315.
52. H.-K. Fun, C. K. Quah, **S. Samshuddin**, B. Narayana & B. K. Sarojini (2012). 1-[3-(4-Chlorophenyl)-5-(4-methoxyphenyl)-4,5-dihydro-1H-pyrazol-1-yl]ethanone. *Acta Cryst.* **E68**, o1023.
53. H.-K. Fun, C. K. Quah, **S. Samshuddin**, B. Narayana & B. K. Sarojini (2012). 1-[3-(4-Chlorophenyl)-5-(4-methoxyphenyl)-4,5-dihydro-1H-pyrazol-1-yl]butan-1-one. *Acta Cryst.* **E68**, o975.
54. H.-K. Fun, T. S. Chia, **S. Samshuddin**, B. Narayana & B. K. Sarojini (2012). 2-[3,5-Bis(4-fluorophenyl)-4,5-dihydro-1H-pyrazol-1-yl]-4,6-bis(4-fluorophenyl)pyrimidine. *Acta Cryst.* **E68**, o807-o808.
55. H.-K. Fun, S. Arshad, **S. Samshuddin**, B. Narayana & B. K. Sarojini (2012). Ethyl ({5-[5'-(2-ethoxy-2-oxoethoxy)-4,4''-difluoro-1,1':3',1''-terphenyl-4'-yl]-1,3,4-oxadiazol-2-yl}sulfanyl)acetate. *Acta Cryst.* **E68**, o674-o675.
56. J. P. Jasinski, J. A. Golen, **S. Samshuddin**, B. Narayana & H. S. Yathirajan (2012). (6Z)-3,5-Bis(4-fluorophenyl)-6-(1-hydroxyethylidene)cyclohex-2-en-1-one. *Acta Cryst.* **E68**, o638-o639.
57. J. P. Jasinski, J. A. Golen, **S. Samshuddin**, B. Narayana & H. S. Yathirajan (2012). Ethyl 2-amino-4,6-bis(4-fluorophenyl)cyclohexa-1,3-diene-1-carboxylate. *Acta Cryst.* **E68**, o585.
58. R. Betz, T. Gerber, E. Hosten, **S. Samshuddin**, B. Narayana & B. K. Sarojini (2012). 2,2'-(Disulfanediyl)bis[4,6-(4-fluorophenyl)pyrimidine]. *Acta Cryst.* **E68**, o476-o477.
59. H.-K. Fun, T. S. Chia, **S. Samshuddin**, B. Narayana & B. K. Sarojini (2012). Ethyl 4,4''-difluoro-5'-methoxy-1,1':3',1''-terphenyl-4'-carboxylate. *Acta Cryst.* **E68**, o172.
60. H.-K. Fun, M. Hemamalini, **S. Samshuddin**, B. Narayana & B. K. Sarojini (2012). 1-(4,4''-Difluoro-5'-methoxy-1,1':3',1''-terphenyl-4'-yl)ethanone. *Acta Cryst.* **E68**, o163.

61. M. Sapanakumari, B. Narayana, S. Samshuddin & B.K. Sarojini (2012). *Synthesis and characterization of new 1,2-diazepine derivative. Der Pharma Chemica* **4** (6), 2198-2201.
62. R. Srinivasan, B. Narayana, S. Samshuddin & B.K. Sarojini (2012). *4-[5-(3,5-Difluorophenyl)furan-2-yl]-2,3,7-triazaspiro[4.5]dec-3-en-1-one Hydrochloride. Molbank* **2012**, M773.
63. R. Srinivasan, B. Narayana, S. Samshuddin & B.K. Sarojini (2012). *3-(4-Fluorophenyl)-N-[4-(4-furan-2-yl-1-oxo-2,3,7-triazaspiro[4.5]dec-3-en-2-yl)phenyl]propionamide Hydrochloride. Molbank* **2012**, M771.
64. R. Srinivasan, B. Narayana, S. Samshuddin & B.K. Sarojini (2012). *N-(3,4-Dimethoxyphenyl)-4-oxo-2,3,7-triazaspiro[4.5]dec-1-ene-1-carboxamide Hydrochloride. Molbank* **2012**, M769.
65. R. Srinivasan, B. Narayana, S. Samshuddin & B.K. Sarojini (2012). *tert-Butyl 1-(Furan-2-yl)-4-oxo-2,3,7-triazaspiro[4.5]dec-1-ene-7-carboxylate. Molbank* **2012**, M757.
66. Divya N. Shetty, B. Narayana & S. Samshuddin (2012). *Novel reagents for the spectrophotometric determination of isoniazid. ISRN Spectroscopy* **2012**, Article ID 869493.
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