

Professor Hemmige S. Yathirajan



PERSONAL

Date of birth : June 8th, 1956
Marital status : Married
Telephone : 91-821-2419656
Fax : 91-821-2419363
E-mail : yathirajan@yahoo.com
Qualifications : B. Sc. (UOM-1974) : M.Sc. (UOM-1976) : Ph. D. (UOM-1981): **PD Research Associate (Washington Univ., St. Louis, MO, USA - 1990-93)**

DESIGNATION : **Professor of Chemistry -- August 2000**
Reader in Chemistry -- August 1992
Lecturer in Chemistry -- October 1976

TEACHING EXPERIENCE

: Teaching M. Sc. Chemistry, M. Sc. Organic Chemistry, M. Phil. Chemistry, M. Sc Integrated Chemistry students. Taught (i)Advanced Chemical Kinetics, (ii) Advanced Electrochemistry, (iii)Advanced Quantum Chemistry, (iv) Molecular Symmetry and Point Groups, (v) Photo Chemistry, (vi) Radiation Chemistry and (vii) X-ray Crystallography for M. Sc. and M. Phil. Courses.

ADMINISTRATIVE EXPERIENCE

: Deputy Director, Academic Staff College, UOM (1997-98). Conducted more than 25 courses for University and college teachers.

RESEARCH EXPERIENCE:

Actively engaged in Research since 1976
(i) Crystal and molecular structure studies of some novel organic and inorganic compounds
(ii) Photolysis of some organic compounds in the liquid phase
(iii) Kinetics and mechanism of oxidation of some biologically active and pharmaceutical compounds with aromatic sulphonyl haloamines
(iv) Analytical studies on organic compounds of pharmaceutical importance

FIELD OF SPECIALIZATION: Chemical kinetics, Photochemistry, Radiation chemistry, Spectroscopy, Quantum chemistry, Molecular Symmetry, Disorder and Polymorphism in crystals and X-ray Crystallography

POST-DOCTORAL EXPERIENCE: Worked on Kinetic isotope effects and isotope exchange reactions at the Department of Chemistry, Washington University, St.louis, MO, USA, from 1990 to 1993.

PROJECT : COLLABORATIVE RESEARCH AROUND THE WORLD (India, USA, UK, Germany, Poland, Italy, Turkey, China & Sweden)

RESEARCH PUBLICATIONS: 385 (as on November 2009)

Papers presented at conferences/symposia: 40 (as on November 2009)

Ph.D. students Guided successfully : 07

Ph. D. students working: 06

M.Phil. Guided : 02

Details of Ph. D. students under my guidance

- **1. K. N. Mohana --** Awarded Ph. D. in 1998
“PHYSICO-CHEMICAL ASPECTS OF BROMAMINE-B”
- **2. P. Nagendra --** Awarded Ph. D. in 2002
“PHYSICO-CHEMICAL ASPECTS OF SODIUM SALT OF N-BROMO-4-METHYLBENZENE SULPHONAMIDE”
- **3. C. R. Raju --** Awarded Ph. D. in 2005
“PHYSICO-CHEMICAL ASPECTS OF SOME COMPOUNDS CONTAINING NITROGEN”
- **4. B. Nagaraj --** Awarded Ph. D. in 2007
“STRUCTURAL STUDIES OF SOME PHARMACEUTICALS AND PHARMACEUTICAL INTERMEDIATES BY X-RAY CRYSTALLOGRAPHIC METHOD”
- **5. H. G. Anil Kumar --** Awarded Ph. D. in 2007
“CRYSTAL STRUCTURE STUDIES OF SOME ORGANIC MOLECULES”
- **6. R. S. Narase Gowda --** Awarded Ph. D. in 2008
“CRYSTAL AND MOLECULAR STRUCTURE STUDIES OF SOME PHARMACEUTICAL COMPOUNDS AND PHARMACEUTICAL INTERMEDIATES”
- **7. S. Bindya --** Awarded Ph. D. in Oct 2009
“SYNTHESIS AND CRYSTAL STRUCTURE STUDIES OF SOME ORGANIC COMPOUNDS”
- **8. A. N. Mayekar --** Registered for Ph. D. in Oct 2006
“SYNTHESIS AND CHARACTERIZATION OF SOME NEW BIOACTIVE HETEROCYCLIC AND RELATED COMPOUNDS”
- **9. M. T. Swamy --** Registered for Ph. D. in Apr 2008
“CRYSTAL STRUCTURE STUDIES OF SOME CHALCONES, SCHIFF BASES AND COMPOUNDS OF PHARMACEUTICAL AND INDUSTRIAL IMPORTANCE”
- **10. Q. N. M. Hakim Al-arique --** Registered for Ph. D. in July 2008
“SYNTHESIS AND CRYSTAL STRUCTURE STUDIES OF SOME ORGANIC COMPOUNDS OF PHARMACEUTICAL IMPORTANCE”
- **11. C. S. Chidan Kumar --** Registered for Ph. D. in Aug 2008
“CRYSTAL AND MOLECULAR STRUCTURE STUDIES OF SOME CHALCONES, SCHIFF BASES, PHARMACEUTICAL INTERMEDIATES AND RELATED COMPOUNDS”
- **12. A. S. Praveen --** Enrolled for Ph. D. in Oct 2009
“SYNTHETIC ORGANIC CHEMISTRY”
- **13. M. S. Siddegowda --** Enrolled for Ph. D. in Oct 2009
“NOVEL SYNTHETIC METHODS IN ORGANIC CHEMISTRY”

Details of M. Phil. Students

- 1. A. B. Mamatha Devi -- Awarded M. Phil. in 1996
"Reaction of chloramine-B with Cr(III), Al(III) and Fe(III) solutions - A conductometric and pH study"
- 2. L. P. Suchitra -- Awarded M. Phil. in 2009
"Synthesis and Crystal Structure Studies of 2-Bromo-*N'*-[(2*Z*)-butan-2-ylidene]-5-methoxy benzohydrazide"

AWARDS : Sir C.V.Raman Young Scientist Research Award for Chemical Sciences presented by Karnataka State Council for Science & Technology (KSCST), Govt. of Karnataka for the year 2000.

CITATIONS : More than 1000 citations

ACHIEVEMENTS

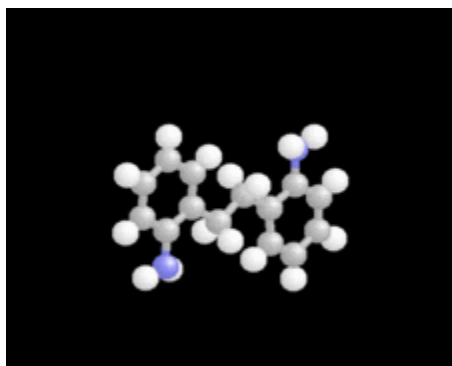
- (i) Two research articles appeared as cover pages in Acta Crystallographica E, 2005 (UK) and one in Acta Crystallographica C, 2006 (UK).
- (ii) One research article appeared in IUCr news letter, vol.13(1), 2005
- (iii) Two research articles appeared in Monographs/Periodicals in Organic Reaction Mechanisms, John Wiley & Sons – 1998; Photochemistry, Vol. 33, Royal Society of Chemistry – 2002
- (iv) Two Research articles indexed in NATIONAL DATA RADIATION CENTRE, USA

Acta Crystallographica Section E

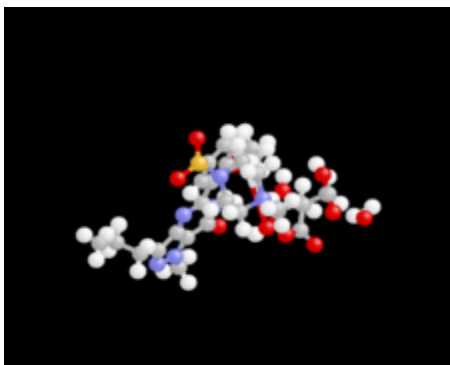
Structure Reports Online

Volume 61, Part 4 (April 2005)

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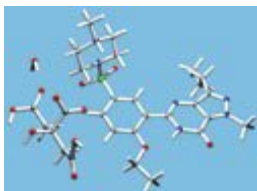
Cover illustration: This relatively simple molecule is a **rare example of a centrosymmetric molecule** crystallizing in a general position in a non-centrosymmetric crystal structure. See [Narasegowda, Malathy Sony, Mondal, Nagaraj, Yathirajan, Narasimhamurthy, Charles, Ponnuswamy, Nethaji & Rathore](#) [*Acta Cryst.* (2005), E61, o843-o845].



Cover illustration: Sildenafil citrate is better known as the anti-impotence drug Viagra. The crystal structure has not been reported previously, but a monohydrate has now been characterized crystallographically. See Yathirajan, Nagaraj, Nagaraja & Bolte [*Acta Cryst.* (2005), E61, [o489-o491](#)].

IUCr news letter 2005 --- Sildenafil citrate monohydrate

H. S. Yathirajan, B. Nagaraj, P. Nagaraja and M. Bolte

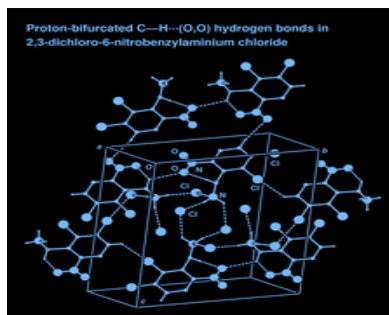


The name of the anti-impotence drug Viagra is well known to many people, even to those who have nothing to do with chemistry or pharmacology. A number of investigations on this compound, with the pharmaceutical name sildenafil citrate, have already been published. As the knowledge of the molecular conformation is essential for understanding structure–activity relationships, it is surprising that its crystal structure has not been previously reported. This paper closes this gap by reporting the crystal structure of the monohydrate. *Acta Cryst.* (2005). E61, o489–o491

Acta Crystallographica Section C

Crystal Structure Communications-----Volume 62, Part 1 (January 2006)

Cover illustration: The intermolecular interactions in 2,3-dichloro-6-nitrobenzylaminium chloride, including the three-center hydrogen-bond configuration. For clarity, only relevant H atoms and intramolecular interactions are shown. See Rathore, Narasimhamurthy, Vijay, Yathirajan & Nagaraja [*Acta Cryst.* (2006), C62, [o36-o38](#)].



RECOGNITION

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(i) Biography appeared in Marquis “Who’s Who in the World-1998”, (ii) Member – American Chemical Society (since 1992) and (iii) Affiliate Member – IUPAC (since ‘92) (iv) Fellow – Indian Chemical Society (since 1994)

OTHERS

Participated in many symposia held in the DOS in Chemistry.
 Participated in several refresher courses in UOM, IISc and Waltair.
 Worked as Chairman, BOE in Chemistry, Univ. of Mysore, Mysore, during 2007-08.
 Worked as Member, BOS in Chemistry, Univ. of Mysore, Mysore, during 2001-04.
 Worked as Member -- BOE in Chemistry for Bangalore, Mangalore, Kuvempu, Karnatak and Gulbarga Universities.
 Worked as Member, BOS in Chemistry, Kuvempu Univ, Shankaraghatta, during 2005-08.
 Member of BOA for Karnatak & Kuvempu Universities.
 Worked as in-charge Chairman of the department on several occasions.
 Involved in framing the syllabus for M. Sc. Chemistry on several occasions.
 Involved in stock verification of the department during several years.
 Collaborative research with Scientists from India, UK, USA, Germany, China, Poland, Italy, Turkey and Sweden.

SOME IMPORTANT PUBLICATIONS:

1. Int. J. Pharm., **325**, 113-120, **2002**.
2. Anal. BioChem., **312**, 157-161, **2003**.
3. Acta Cryst. **C60**, o821-o823, **2004**.
4. J. Chem. Cryst., **35(3)**, 211-215, **2005**.
5. Anal. Sci., **21**, x1-x2, **2005**.
6. Acta Cryst. **C61**, o177-o180, **2005**.
7. Acta Cryst. **E61**, o489-o491, **2005**.
8. Acta Cryst. **E61(4)**, o843-o845, **2005**.
9. Acta Cryst. **E61(11)**, o3810-o3812, **2005**.
10. Acta Cryst. **E62(11)**, o5010-o5012, **2006**.
11. Cryst. Res. Technol. **41**, 299-303, **2006**.
12. Acta Cryst. **E63(11)**, o4362, **2007**.
13. Acta Cryst. **E63(11)**, o4308-o4309, **2007**.
14. Acta Cryst. **E64(1)**, o119, **2008**.
15. Acta Cryst. **E64(1)**, o117-o118, **2008**.

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Some recent Papers presented at conferences / symposia / meetings

1. **Jerry P. Jasinski**, Ray J. Butcher, H. S. Yathirajan, B. Narayana, L. Mallesha and K. N. Mohana

INORG 137 - Intermolecularly associated carboxylic acid dimers in the supramolecular assembly of 1,4-benzodioxane 2-carboxylic acid

238th American Chemical Society (ACS) National Meeting, Washington, DC, USA, August 16-20, 2009.

(Bioinorganic Chemistry: Enzymes and Coenzymes - Division of Inorganic Chemistry)

7:00 PM-9:00 PM, Sunday, August 16, 2009 Walter E. Washington Convention Center -- Hall D.

2. **Jerry P. Jasinski**, Ray J. Butcher, Anil N. Mayekar, H. S. Yathirajan and B. Narayana

INORG 138 - Structures of three chalcones derived from 6-methoxy-2-naphthaldehyde

238th American Chemical Society (ACS) National Meeting, Washington, DC, USA, August 16-20, 2009.

(Bioinorganic Chemistry: Enzymes and Coenzymes - Division of Inorganic Chemistry)

7:00 PM-9:00 PM, Sunday, August 16, 2009 Walter E. Washington Convention Center -- Hall D.

3. **Jerry P. Jasinski**, Ray J. Butcher, L. Mallesha, K. N. Mohana, H. S. Yathirajan and B. Narayana

INOR 486 - Unique hydrogen bonding effects in biomolecules

238th American Chemical Society (ACS) National Meeting, Washington, DC, USA, August 16-20, 2009.

(Bioinorganic Chemistry: Enzymes and Coenzymes - Division of Inorganic Chemistry)

7:00 PM-9:00 PM, Tuesday, August 18, 2009 Walter E. Washington Convention Center - - Hall D.

4. **Jerry P. Jasinski**, Ray J. Butcher, L. Mallesha, K. N. Mohana, H. S. Yathirajan and B. Narayana

INOR 487 - Unusual hydrogen bonding effects in biomolecules

238th American Chemical Society (ACS) National Meeting, Washington, DC, USA, August 16-20, 2009.

(Bioinorganic Chemistry: Enzymes and Coenzymes - Division of Inorganic Chemistry)

7:00 PM-9:00 PM, Tuesday, August 18, 2009 Walter E. Washington Convention Center - - Hall D.

RESEARCH PUBLICATIONS OF PROF. H. S. YATHIRAJAN

385. Jerry P. Jasinski, Ray J. Butcher, L. P. Suchitra, H. S. Yathirajan and B. Narayana (2009). 2-Bromo-N'-[(2Z)-butan-2-ylidene]-5-methoxybenzohydrazide Acta Cryst. E65(11), o2968-o2969.
384. Grzegorz Dutkiewicz, C. S. Chidan Kumar, **H. S. Yathirajan**, and **Maciej Kubicki** (4-Bromophenyl)(1H-indol-7-yl)methanone Acta E65(11), o2933.

383. Grzegorz Dutkiewicz, C. S. Chidan Kumar, **H. S. Yathirajan, B. Narayana** and **Maciej Kubicki**
(E)-3-(Biphenyl-4-yl)-1-(3-bromophenyl)-prop-2-en-1-one
Acta Cryst. E65(11), o2856-o2857.
382. Jerry P. Jasinski, Ray J. Butcher, M. T. Swamy, H. S. Yathirajan and A. R. Ramesha (2009).
1-(2-Methyl-5-nitrophenyl)guanidinium picrate
Acta Cryst. E65(11), o2788-o2789.
381. Grzegorz Dutkiewicz, C. S. Chidan Kumar, **H. S. Yathirajan, A. N. Mayekar** and **Maciej Kubicki**
3-Methyl-1,2,4-triazolo[3,4-a]-phthalazine monohydrate
Acta Cryst. E65(11), o2694.
380. W. T. A. Harrison, Q. N. M. Hakim AL-arique, B. Narayana, H. S. Yathirajan & B. K. Sarojini
2-Bromo-1,3-bis(4-chlorophenyl)-2-propen-1-one. Acta Cryst. E65(11), o2648.
379. Jerry P. Jasinski, Ray J. Butcher, K. Veena, B. Narayana and H. S. Yathirajan
(2E)-1-(3-Chlorophenyl)-3-(4-chlorophenyl)prop-2-en-1-one
Acta Cryst. E65(10), o2641-o2642.
378. Jerry P. Jasinski, Ray J. Butcher, Q. N. M. Hakim AL-arique, H. S. Yathirajan and B. Narayana
(2009). 4-(4-Chlorophenyl)-1-[3-(4-fluorobenzoyl)propyl]-4-hydroxypiperidin-1-ium 2,4,6-trinitrophenolate (haloperidol picrate). Acta Cryst. E65(10), o2403-o2404.
377. Jerry P. Jasinski, Ray J. Butcher, H. S. Yathirajan, L. Mallesha and K. N. Mohana (2009).
(E)-1-(2,4-Difluorophenyl)-N-hydroxy-1-(piperidin-4-yl) methaniminium picrate
Acta Cryst. E65(10), o2365-o2366.
376. Jerry P. Jasinski, Ray J. Butcher, Q. N. M. Hakim AL-arique, H. S. Yathirajan and B. Narayana
3-(2-Chloroethyl)-2-methyl-4-oxo-4Hpyrido[1,2-a]pyrimidinium 2,4,6-trinitrophenolate
Acta Cryst. E65 (9), o2201-o2202.
375. Jerry P. Jasinski, Ray J. Butcher, M. T. Swamy, B. Narayana, B. K. Sarojini and H. S. Yathirajan
(2009).
Crystal Structure of [4-(methylsulfanyl)phenyl]acetic acid
J. Chem. Cryst., on-line dated 15 August 2009
374. Jerry P. Jasinski, Ray J. Butcher, K. Veena, B. Narayana and H. S. Yathirajan
A second polymorph of (2E)-1-(4-fluorophenyl)-3-(3,4,5-trimethoxyphenyl)prop-2-en-1-one
Acta Cryst. E65 (8), o1965-o1966.
373. Jerry P. Jasinski, Ray J. Butcher, Q. N. M. Hakim AL-arique, H. S. Yathirajan and B. Narayana
3-(2-Chloroethyl)-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one (C₁₁ H₁₁ Cl N₂ O)
Acta Cryst. E65 (8), o1987-o1988.
372. Hongqi Li, B. K. Sarojini, B. Narayana, H. S. Yathirajan and W. T. A. Harrison (2009).
2-Bromo-N'-[(Z)-(2-bromophenyl)methylidene]-5-methoxybenzohydrazide.
Acta Cryst. E65(8), 1750.
371. Jerry P. Jasinski, Ray J. Butcher, Q. N. M. Hakim AL-arique, H. S. Yathirajan, B. Narayana
(2009).
Propiverinium picrate
Acta Cryst. E65(8), o1738-o1739

370. Hongqi Li., K. Prakash Kamath, B. Narayana, H. S. Yathirajan and W. T. A. Harrison (2009).
(2E)-3-(3-Bromophenyl)-1-(4-chlorophenyl)prop-2-en-1-one
Acta Cryst. E65 (8), 1915.
369. Jerry P. Jasinski, Ray J. Butcher, Q. N. M. Hakim AL-arique, H. S. Yathirajan, A. R. Ramesha (2009).
2-Amino-5-nitrophenyl 2-chlorophenyl ketone. Acta Cryst. E65 (8), 1908-1909.
368. Hongqi Li., Anil N. Mayekar , B. Narayana, H. S. Yathirajan and W. T. A. Harrison (2009).
Ethyl 6-(6-methoxynaphthalen-2-yl)-2-oxo-4-(thiophen-2-yl)cyclohex-3-ene-1-carboxylate
Acta Cryst. E65 (7),
367. Jerry P. Jasinski, Ray J. Butcher, H. S. Yathirajan, L. Mallesha, K. N. Mohana and B. Narayana (2009).
Crystal structure of abacavir hemisulphate - A nucleoside analog reverse transcriptase inhibitor.
J. Chem. Cryst., 39(12), 864-869. Published on-line 15 June 2009
366. Hongqi Li., Anil N. Mayekar , B. Narayana, H. S. Yathirajan and W. T. A. Harrison (2009).
Ethyl 4-(4-methylphenyl)-6-(6-methoxy-2-naphthyl)-2-oxocyclohex-3-ene-1-carboxylate
Acta Cryst. E65 (6), o1186.
365. Jerry P. Jasinski, Ray J. Butcher, H. S. Yathirajan L. Mallesha, K. N. Mohana and B. Narayana (2009).
A second polymorph of Gabapentin hydrochloride hemihydrate with a Three-Center Bifurcated Hydrogen Bond
J. Chem. Cryst., 39(11), 777-780. Published on-line 7 April 2009
364. Jerry P. Jasinski, Ray J. Butcher, L. Mallesha, K. N. Mohana, H. S. Yathirajan and B. Narayana (2009).
Dual chlorine-bifurcated acceptor Cl...H--(N,O) hydrogen bonds in 4-[(4-Methylpiperazin-1-yl)methyl]benzoic acid dihydrochloride hemihydrate
J. Chem. Cryst., 39(11), 773-776. . Published on-line 7 April 2009
363. Jerry P. Jasinski, Ray J. Butcher, Anil N. Mayekar, H. S. Yathirajan, B. Narayana and B.K.Sarojini (2009).
Synthesis and crystal Structure of 5-[[6-bromo-2-naphthyl]oxy]methyl}-1,3,4-oxadiazole-2(3H)-thione
J. Chem. Cryst., 39 (10), 761-765. Published on-line 4 April 2009
362. R., Kant, Kamni, B., Narayana, K., Veena & H. S. Yathirajan (2009).
(E)-3-(4-Bromophenyl)-1-(3,4-dichlorophenyl)prop-2-en-1-one.
Acta Cryst. (2009). E65 (4), o836.
361. Hongqi Li., H. S. Yathirajan, L. Mallesha, K. N. Mohana and B. Narayana, (2009).
Gabapentinium picrate
Acta Cryst. E65 (4), o783.
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360. Hongqi Li, Q. N. M. Hakim AL-arique, H. S. Yathirajan, B. Narayana and A. R. Ramesha (2009).
4-(4-Carboxybenzyl)-1-methylpiperazin-1-ium picrate
Acta Cryst. E65 (3), o518.
359. Jerry P. Jasinski, Ray J. Butcher, L. Mallesha, K. N. Mohana, H. S. Yathirajan and B. Narayana (2009).
Crystal structure of 3-oxo-4-aza-5-alpha-androstane-17 beta-tert-butyl carboxamide with an O.H-(C, N) acceptor four-center hydrogen bond
J. Chem. Cryst., 39(6), 458-465. Pub on-line Dec 4, 2008

358. Jerry P. Jasinski, Ray J. Butcher, H. S. Yathirajan, B. Narayana L. Mallesha and K. N. Mohana, (2009).
Intermolecularly associated carboxylic acid dimers in the supramolecular assembly of (R)-1,4-benzodioxane 2-carboxylic acid.
J. Chem. Cryst., 39(6), 453-457. Pub on-line Dec 4, 2008
357. Jerry P. Jasinski, Ray J. Butcher, L. Mallesha, K. N. Mohana, H. S. Yathirajan and B. Narayana (2009).
Crystal structure of 2',3'-di-O-acetyl-5'-deoxy-5-fluorocytidine fluorocytidine with N—H...(O,F) proton donor bifurcated and (C,N)—H...O bifurcated acceptor dual three-center hydrogen bond configurations
J. Chem. Cryst., 39(6), 433-437. Pub on-line Nov 9, 2008
356. Jerry P. Jasinski, Ray J. Butcher Anil N. Mayekar, H. S. Yathirajan and B. Narayana (2009).
Structures of three Chalcones derived from 6-methoxy-2-naphthaldehyde.
J. Chem. Cryst., 39(3), 157-162. Pub on-line July 25, 2008
355. Hongqi Li, T. V. Sreevidya, B. Narayana, B. K. Sarojini and H. S. Yathirajan (2008).
(2E)-1-(1,3-benzodioxol-5-yl)-3-(3-bromophenyl)prop-2-en-1-one.
Acta Cryst. E64 (12), o2387.
354. Jerry P. Jasinski, Ray J. Butcher, M. T. Swamy, H. S. Yathirajan, K. N. Mohana and B. Narayana (2008).
Crystal structure of methyl (2-benzyloxy)benzoate.
Anal. Sci., 24, x273-x274.
353. Hongqi Li, B. K. Sarojini, C. G. D. Raj, L. N. Madhu and H. S. Yathirajan (2008).
(2E)-3-(3-Bromophenyl)-1-(4-methylphenyl)prop-2-en-1-one.
Acta Cryst. E64 (11), o2238.
352. Andreas Fischer, M. T. Swamy, B. Narayana, B.K. Sarojini and H. S. Yathirajan (2008).
Ethyl 3-(3-bromo-2-thienyl)-6-(4-propoxyphenyl)-2-oxocyclohex-3-ene-1-carboxylate.
Acta Cryst. E64 (11), o2152.
351. Jerry P. Jasinski, Ray J. Butcher, B. Narayana, T. V. Sreevidya and H. S. Yathirajan (2008).
Structures of two Chalcones derived from 1-(1,3-benzodioxol-5-yl)ethanone
Anal. Sci., 24, x245-x246. HSY 454 and 466
350. Jerry P. Jasinski, Ray J. Butcher, Prakash Karegoudar, B.S.Holla, H. S. Yathirajan and B. Narayana, (2008). 5-Amino-1-(2,4,6-trichlorophenyl)-1H-pyrazole-4-carbonitrile
Anal. Sci., 24, x207-x208. HSY 460
349. Jerry P. Jasinski, Ray J. Butcher, B. Narayana, M.T. Swamy, and H. S. Yathirajan (2008).
Crystal Structure of (\pm)-5-benzoyl-2,3-dihydro-1H-pyrrolizine-1-carboxylic acid or Ketorolac
Anal. Sci., 24, x205-x206. HSY 468
-
348. J. P. Jasinski, R. J. Butcher, H. S. Yathirajan, B. Narayana & T. V. Sreevidya (2008). A second polymorph of β -arteether. Acta Cryst. E64(3), o585-o586.
347. A. Fischer, H. S. Yathirajan, B. V. Ashalatha, B. Narayana & B. K. Sarojini (2008). Ethyl 4-(3-bromo-2-thienyl)-2-oxo-6-phenylcyclohex-3-ene-1-carboxylate.
Acta Cryst. E64(3), o560.
346. R. J. Butcher, Jerry P. Jasinsky, B. Narayana, K. Sunil, H. S. Yathirajan (2008).
Bis{4-[(Z)-N'-(4-hydroxybenzylidene)hydrazino]-8-(trifluoromethyl) quinolinium} sulfate dihydrate. Acta Cryst. E64 (2), o481-o482.

345. Jerry P. Jasinsky, R. J. Butcher, B. Narayana, M. T. Swamy and H. S. Yathirajan (2008). Redetermination of 4-hydroxybenzaldehyde. *Acta Cryst. E64* (1), o187.
344. M. T. Swamy, B. Narayana, H. S. Yathirajan, B. K. Sarojini and M. Kubicki (2008). 3-((Z)-[4-(Diethylamino)-6-oxocyclohexa-2,4-dien-1-ylidene]methyl)amino)benzoic acid. *Acta Cryst. E64* (1), o163-o164.
343. H. S. Yathirajan, B. Narayana, M. T. Swamy, B. K. Sarojini and M. Bolte (2008). A 1:1 cocrystal of phthalazinone and picric acid. *Acta Cryst. E64* (1), o119.
342. B. Narayana, B. K. Sarojini, K. Prakash Kamath, H. S. Yathirajan and M. Bolte (2008). 2-Aminopyrimidinium picrate. *Acta Cryst. E64* (1), o117-o118.
341. Jerry P. Jasinsky, R. J. Butcher, H. S. Yathirajan, B. Narayana, T. V. Sreevidya (2008). Redetermination of dihydroartemisinin (C₁₅H₂₄O₅) at 103 (2) K. *Acta Cryst. E64* (1), o89-o90.
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