

ARKIVOC Volume 2004

Part (v): Commemorative Issue in Honor of Prof. Vincenzo Tortorella on the occasion of his receiving
Fuori Ruolo status

Facilitator: Girolamo Cirrincione
Scientific Editor: Viktor V. Zhdankin

1. A Tribute to Prof. Vincenzo Tortorella (VT-488LT)

Girolamo Cirrincione

Full Text: [PDF \(112K\)](#)

pp. 1 - 4

accepted Sep 29 2003; published Oct 10 2003;

2. H-NMR determination of the enantiomeric excess of the antiarrhythmic drug Mexiletine by using mandelic acid analogues as chiral solvating agents (VT-850LP)

Giuseppe Carbonara, Alessia Carocci, Giuseppe Fracchiolla, Carlo Franchini, Giovanni Lentini, Fulvio Liodice and Paolo Tortorella

Full Text: [PDF \(1,063K\)](#)

pp. 5 - 25

A review with 61 references

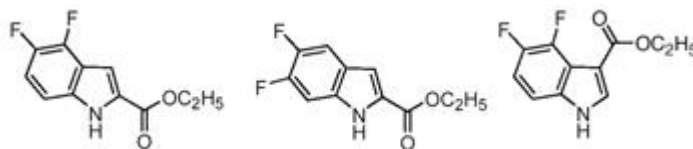
received Jul 29 2003; accepted Oct 6 2003; published Oct 17 2003;

3. Synthetic approaches to difluoroindolecarboxylic acid ethyl esters (VT-856LP)

Romano Silvestri, Marino Artico, Giuseppe La Regina and Gabriella De Martino

Full Text: [PDF \(118K\)](#)

pp. 26 - 31



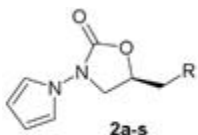
received Aug 1 2003; accepted Dec 12 2003; published Dec 27 2003;

4. Synthesis and biochemical evaluation of (*R*)-5-acyloxymethyl- and (*S*)-5-acylaminomethyl-3-(1*H*-pyrrol-1-yl)-2-oxazolidinones as new anti-monoamine oxidase (anti-MAO) agents (VT-941LP)

Antonello Mai, Marino Artico, Sergio Valente, Ilaria Cerbara, Olivia Befani, Paola Turini Laura Dalla Vedova and Enzo Agostinelli

Full Text: [PDF \(144K\)](#)

pp. 32 - 43



R= acyloxy, acylamino

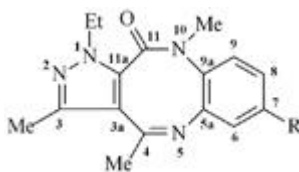
received Oct 6 2003; accepted Nov 26 2003; published Jan 9 2004;

5. Synthesis and pharmacological evaluation of 7-substituted 1-ethyl-3,4,10-trimethyl-1,10-dihydro-11*H*-pyrazolo[3,4-*c*][1,6]benzodiazocin-11-one. A new ring system (VT-989LP)

Onofrio Migliara, Salvatore Plescia, Patrizia Diana, Vita Di Stefano, Lorenzo Camarda and Roberta Dall'Olivo

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pp. 44 - 53



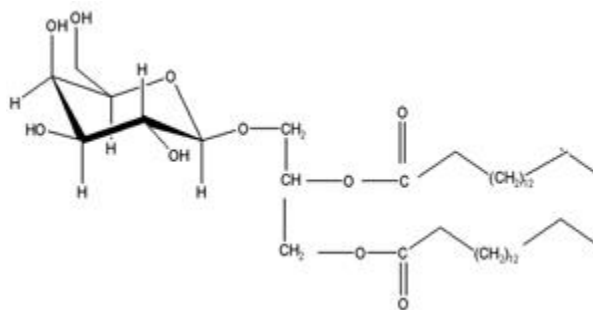
received Nov 24 2003; accepted Jan 15 2004; published Jan 15 2004;

6. Glyceroglycolipids from *Euphorbia nicaeensis* All. with antiinflammatory activity (VT-976LP)

Francesca Cateni, Gioacchino Falsone, Jelena Zilic, Paolo Bonivento, Marina Zacchigna, Dušan Žigon, Silvio Sosa and Gianmario Altinier

Full Text: [PDF \(78K\)](#)

pp. 54 - 65



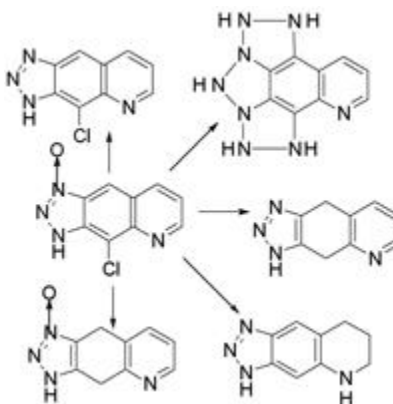
received Nov 6 2003; accepted Jan 15 2004; published Jan 21 2004;

7. A new synthesis of triazolo[4,5-*g*]quinolines and unexpected ring reduced products by treatment with hydrazine hydrate (VT-972LP)

Antonio Carta and Giuseppe Paglietti

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pp. 66 - 75



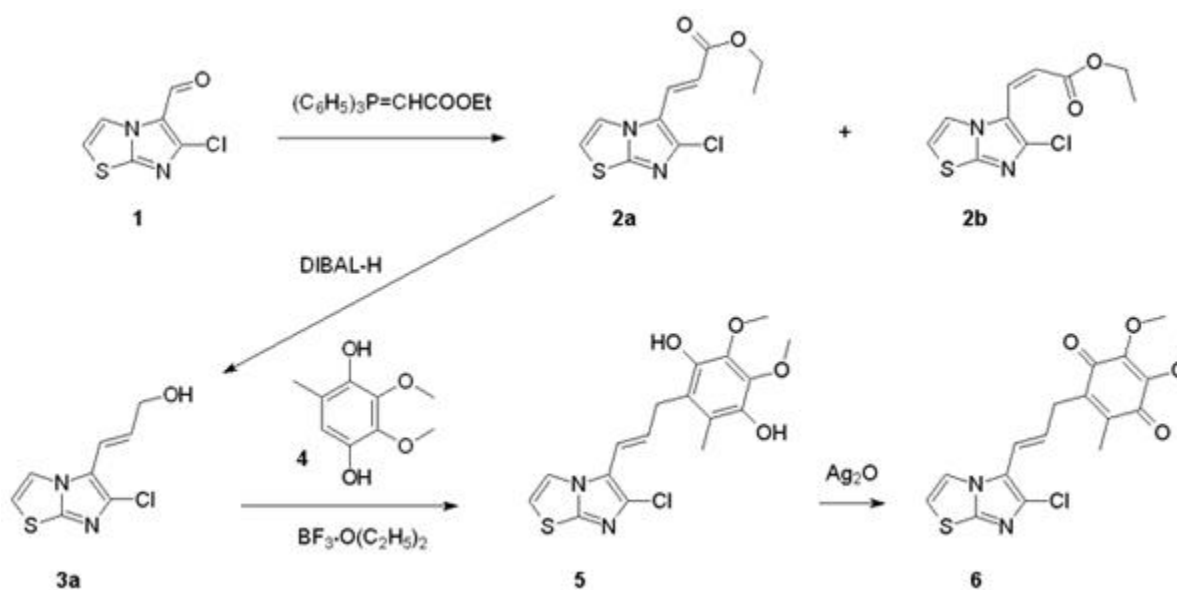
received Nov 5 2003; accepted Feb 4 2004; published Feb 11 2004;

8. 2-[(*E*)-3-(6-chloroimidazo[2,1-*b*]thiazol-5-yl)prop-2-enyl]-5,6-dimethoxy-3-methyl-1,4-benzoquinone: a new inhibitor of NADH dehydrogenase with antitumor activity (VT-925LP)

Aldo Andreani, Massimiliano Granaola, Alberto Leoni, Alessandra Locatelli, Rita Morigi, Mirella Rambaldi, Giorgio Lenaz, Romana Fato, Christian Bergamini

Full Text: [PDF \(136K\)](#)

pp. 76 - 84



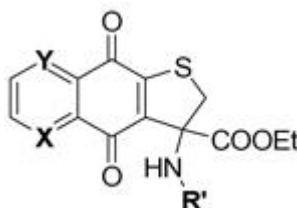
received Sep 17 2003; accepted Feb 4 2004; published Feb 12 2004;

9. Synthesis of new pyrido[4,3- *g* and 3,4- *g*]quinoline-9,10-dione and dihydrothieno[2,3- *g* and 3,2- *g*]quinoline-4,9-dione derivatives and preliminary evaluation of cytotoxic activity (VT-960LP)

Isabel Gomez-Monterrey, Pietro Campiglia, Teresa Lama, Paolo La Colla, Maria V. Diurno, Paolo Grieco, Ettore Novellino

Full Text: [PDF \(193K\)](#)

pp. 85 - 96



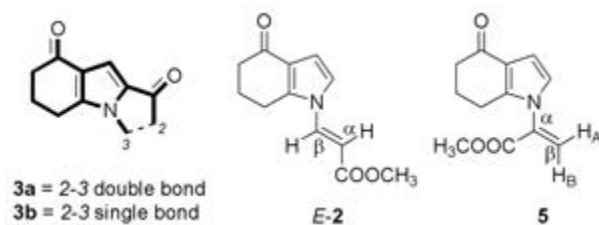
received Oct 27 2003; accepted Feb 10 2004; published Feb 14 2004;

10. Synthesis of pyrrol-[1,2-*a*]indole-1,8(5*H*)-diones as new synthones for developing novel tricyclic compounds of pharmaceutical interest (VT-1012LP)

Mario Sechi, Alessio Mura, Luciano Sannia, Maria Orecchioni and Giuseppe Paglietti

Full Text: [PDF \(174K\)](#)

pp. 97 - 106



received Dec 17 2003; accepted Feb 10 2004; published Feb 14 2004;

11. Molecular modeling of β -cyclodextrin inclusion complexes with pharmaceutical compounds (VT-988LP)

Stefano Alcaro, Danilo Battaglia and Francesco Ortuso

Full Text: [PDF \(231K\)](#)

pp. 107 - 117



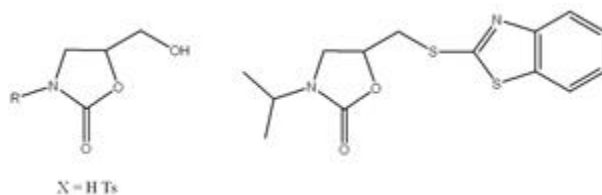
received Nov 24 2003; accepted Feb 17 2004; published Feb 21 2004;

12. Synthesis and biological evaluation of 3-alkyloxazolidin-2-ones as reversible MAO inhibitors (VT-1015LP)

Claudia Lamanna, Maria Stefania Sinicropi, Paola Pietrangeli, Filomena Corbo, Carlo Franchini, Bruno MondovÀ and Antonio Scilimati

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pp. 118 - 130



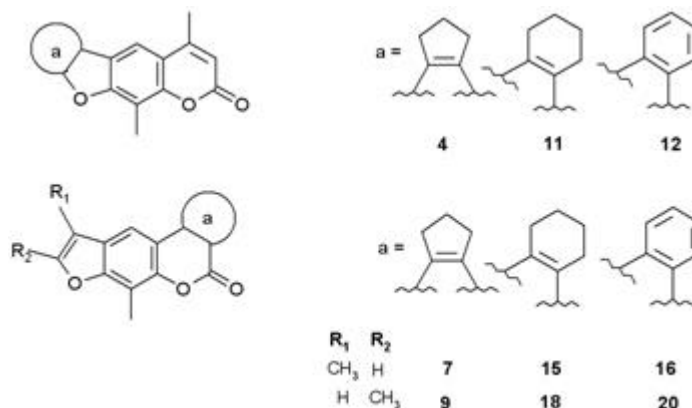
received Dec 18 2003; accepted Feb 17 2004; published Feb 21 2004;

13. Methyl derivatives of tetracyclic psoralen analogues: antiproliferative activity and interaction with DNA (VT-1027LP)

Lisa Dalla Via, Eugenio Uriarte, Lourdes Santana, Sebastiano Marciani Magno and Ornella Gia

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pp. 131 - 146



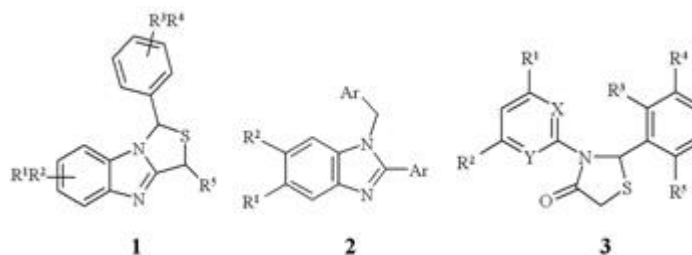
received Dec 22 2003; accepted Feb 20 2004; published Mar 4 2004;

14. Microwave-induced synthesis of benzimidazole and thiazolidinone derivatives as HIV-1 RT inhibitors (VT-1030LP)

Angela Rao, Alba Chimirri, Stefania Ferro, Anna Maria Monforte, Pietro Monforte and Maria ZappalÀ

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pp. 147 - 155

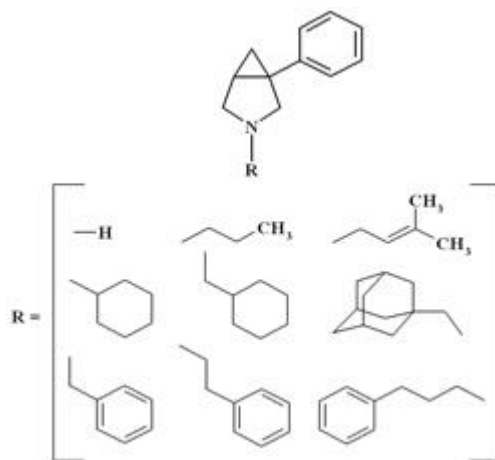


received Dec 23 2003; accepted Mar 2 2004; published Mar 5 2004;

15. 1-Phenyl-3-azabicyclo[3.1.0]hexane derivatives as new ligands for sigma receptors (VT-1017LP)

Agostino Marrazzo, Andrea Pappalardo, Orazio Prezzavento, Franco Vittorio

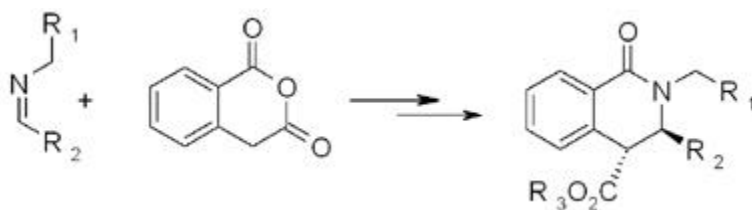
pp. 156 - 169



16. Synthesis and anticonvulsant properties of 1,2,3,4-tetrahydroisoquinolin-1-ones (VT-1067LP)

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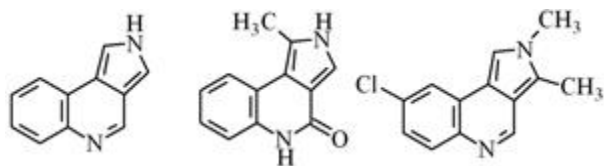
pp. 170 - 180



17. A general, versatile synthesis of 2*H*-pyrrolo[3,4-*c*]quinolines *via* tosylmethylisocyanide reaction (VT-1041LP)

Full Text: [PDF \(154K\)](#)

pp. 181 - 195



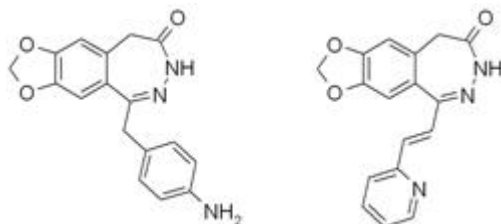
received Jan 14 2004; accepted Mar 2 2004; published Mar 10 2004;

18. Synthesis of 5-substituted 7,9-dihydro-8H-[1,3]dioxolo[4,5-h][2,3]benzodiazepin-8-ones as anticonvulsant agents (VT-1018LP)

Maria ZappalÀ , Nicola Micale, Silvana Grasso, Frank S. Menniti, Giovambattista De Sarro and Carlo De Micheli

Full Text: [PDF \(120K\)](#)

pp. 196 - 203



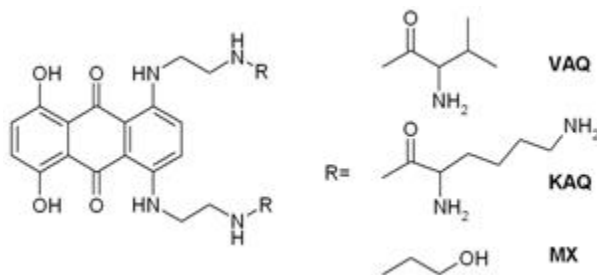
received Dec 19 2003; accepted Mar 5 2004; published Mar 10 2004;

19. Aminoacyl-analogues of mitoxantrone as novel DNA-damaging cytotoxic agents (VT-1019LP)

Giuseppe Zagotto, Claudia Sissi, Barbara Gatto and Manlio Palumbo

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pp. 204 - 218



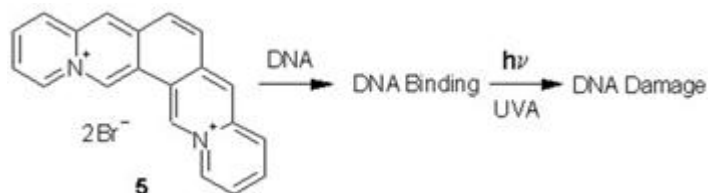
received Dec 20 2003; accepted Mar 17 2004; published Mar 19 2004;

20. DNA-binding and DNA-photocleaving properties of 12a,14a-diazoniapentaphene (VT-1085LP)

Giampietro Viola, Heiko Ihmels, Hubert KrauÀÿer, Daniela Vedaldi and Francesco DallÀAcqua

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pp. 219 - 230



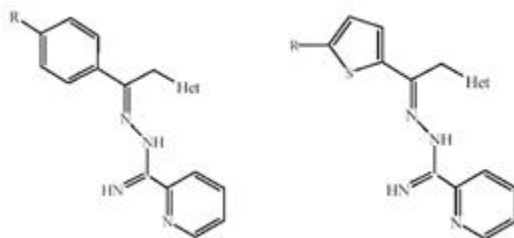
received Jan 9 2004; accepted Mar 18 2004; published Mar 19 2004;

21. Antifungal and antimycobacterial activity of new *N*1-[1-aryl-2-(1*H*-imidazol-1-yl and 1*H*-1,2,4-triazol-1-yl)-ethylidene]-pyridine-2-carboxamidrazone derivatives: A combined experimental and computational approach. (VT-1013LP)

Maria Grazia Mamolo, Daniele Zampieri, Valeria Falagiani, Luciano Vio, Maurizio Fermeglia, Marco Ferrone, Sabrina Pricl, Elena Banfi, and Giuditta Scialinoc

Full Text: [PDF \(368K\)](#)

pp. 231 - 250



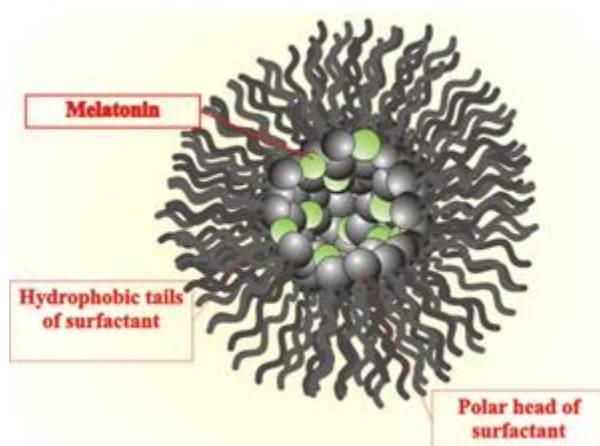
received Dec 17 2003; accepted Mar 17 2004; published Mar 23 2004;

22. H-NMR and FT-IR study of the state of melatonin confined in membrane models: location and interactions of melatonin in water free lecithin and AOT reversed micelles (VT-1020LP)

David Bongiorno, Leopoldo Ceraulo, Mirella Ferrugia, Felice Filizzola, Cristina Giordano, Angela Ruggirello and Vincenzo Turco Liveri

Full Text: [PDF \(511K\)](#)

pp. 251 - 262



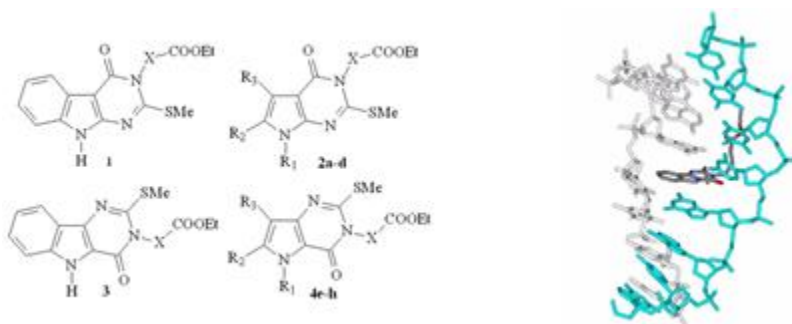
received Dec 20 2003; accepted Mar 24 2004; published Mar 26 2004;

23. Docking of indolo- and pyrrolo-pyrimidines to DNA. New DNA-interactive polycycles from amino-indoles/pyrroles and BMMA (VT-1079LP)

Antonino Lauria, Patrizia Diana, Paola Barraja, Alessandra Montalbano, Gaetano Dattolo, Girolamo Cirrincione and Anna Maria Almerico

Full Text: [PDF \(228K\)](#)

pp. 263 - 271



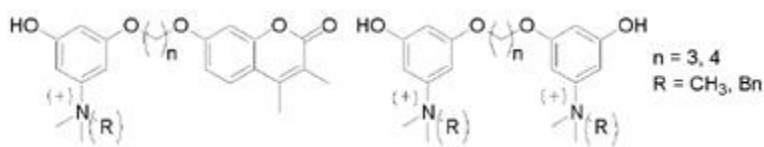
received Jan 5 2004; accepted Mar 29 2004; published Apr 1 2004;

24. Synthesis of potential dual binding site acetylcholinesterase inhibitors through an efficient solid phase approach based on the Mitsunobu reaction (VT-1078LP)

Francesco Leonetti, Anna Cappa, Cristina Maccallini and Angelo Carotti

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pp. 272 - 285



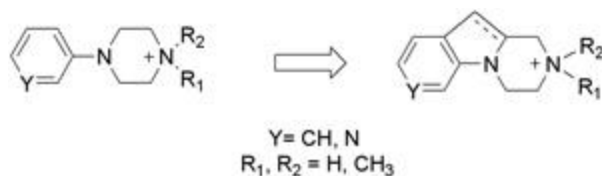
received Feb 12 2004; accepted Mar 29 2004; published Apr 1 2004;

25. Design, synthesis and preliminary pharmacological evaluation of rigid analogues of the nicotinic agonist 1,1-dimethyl-4-phenylpiperazinium iodide (DMPP) (VT-1009LP)

Luca Guandalini, Elisabetta Martini, Fulvio Gualtieri, M. Novella Romanelli and Katia Varani

Full Text: [PDF \(207K\)](#)

pp. 286 - 300



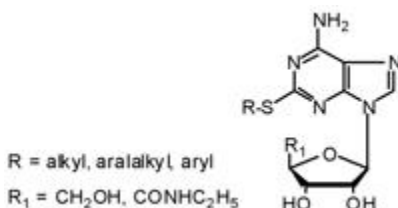
received Dec 17 2003; accepted Apr 4 2004; published Apr 5 2004;

26. Adenosine receptor agonists: synthesis and binding affinity of 2- (aryl)alkylthioadenosine derivatives (VT-1036LP)

R. Volpini, S. Costanzi, C. Lambertucci, F. R. Portino, S. Taffi, S. Vittori, K.-N. Klotz, G. Cristalli

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pp. 301 - 311



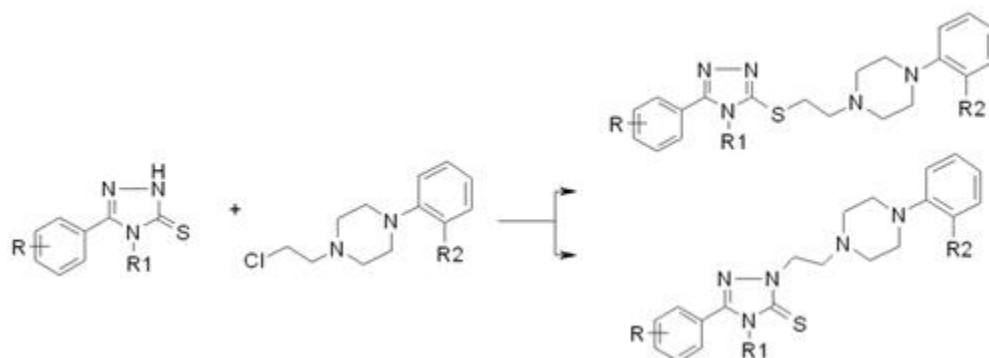
received Dec 30 2003; accepted Apr 13 2004; published Apr 15 2004;

27. Synthesis of new 5-phenyl[1,2,4]triazole derivatives as ligands for the 5-HT1A serotonin receptor (VT-1039LP)

Loredana Salerno, Mariangela Siracusa, Francesco Guerrera, Giuseppe Romeo, Valeria PittalÀ, Maria Modica, Tiziana Mennini and Filippo Russo

Full Text: [PDF \(143K\)](#)

pp. 312 - 324



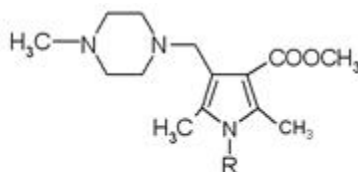
received Dec 22 2003; accepted Apr 17 2004; published Apr 23 2004;

28. β -Aminomethylation of *N*-aryl- and *N*-azaheteroaryl-substituted methyl 2,5-dimethylpyrrole-3-carboxylates. Kinetic effect of the *N*-pyrrole substituent (VT-1014LP)

Mariangela Biava, Giulio Cesare Porretta, Giorgio Giorgi and Giancarlo Sleiter

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pp. 325 - 333



R = phenyl, 2-pyrimidyl, 3-pyrimidyl

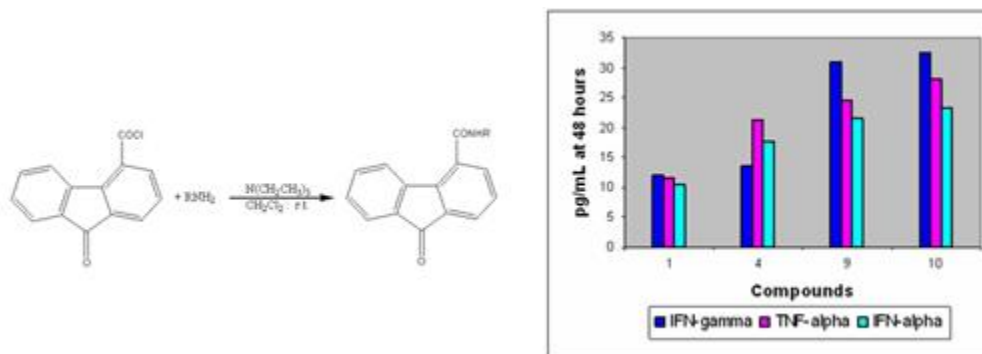
received Dec 17 2003; accepted Apr 23 2004; published Apr 23 2004;

29. 9-Fluorenon-4-carboxamides: synthesis, conformational analysis, anti-HSV-2, and immunomodulatory evaluation. Note II (VT-1071LP)

Stefano Alcaro, Adriana Arena, Rosaria Di Bella, Simonetta Neri, Rosaria Ottan , Francesco Ortuso, Bernadette Pavone and Maria Gabriella Vigorita

Full Text: [PDF \(296K\)](#)

pp. 334 - 348



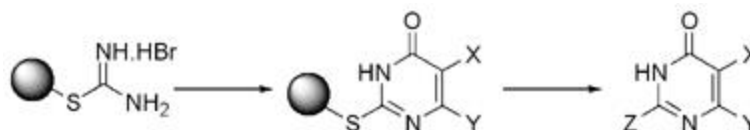
received Feb 2 2004; accepted Apr 26 2004; published Apr 28 2004;

30. Solid phase synthesis of 5,6-disubstituted pyrimidinone and pyrimidindione derivatives (VT-1072LP)

Maria Cristina Parlato, Claudia Mugnaini, Michela Lucia Renzulli, Federico Corelli and Maurizio Botta

Full Text: [PDF \(181K\)](#)

pp. 349 - 363



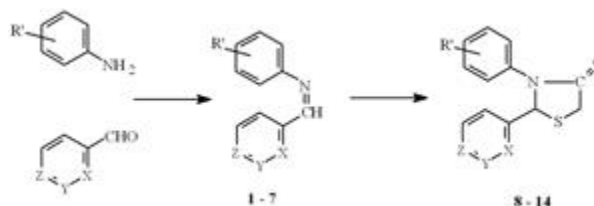
received Feb 2 2004; accepted May 4 2004; published May 5 2004;

31. Aromatic Schiff bases and 2,3-disubstituted-1,3-thiazolidin-4-one derivatives as antiinflammatory agents (VT-1043LP)

Iana Vazzana, Emanuela Terranova, Francesca Mattioli and Fabio Sparatore

Full Text: [PDF \(155K\)](#)

pp. 364 - 374



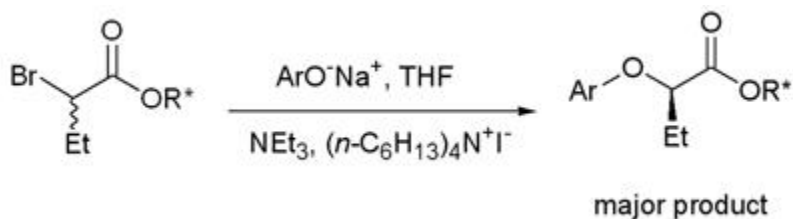
received Jan 14 2004; accepted May 12 2004; published May 16 2004;

32. Dynamic kinetic resolution of alpha-bromoesters containing lactamides as chiral auxiliaries (VT-1091LP)

Alessandra Ammazalorso, Rosa Amoroso, Giancarlo Bettoni, Barbara De Filippis, Letizia Giampietro, Cristina Maccallini, Maria Luisa Tricca

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pp. 375 - 381



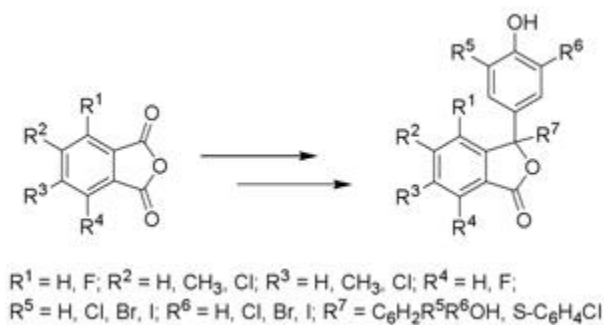
received Dec 31 2003; accepted May 12 2004; published May 16 2004;

33. A step further in the discovery of phthalein derivatives as Thymidylate Synthase inhibitors (VT-1052LP)

Samuele CalÃ², Donatella Tondi, Alberto Venturelli, Stefania Ferrari, Piergiorgio Pecorari, Marcella Rinaldi, Stefano Ghelli and M. Paola Costi

Full Text: [PDF \(197K\)](#)

pp. 382 - 396



received Jan 30 2004; accepted May 27 2004; published May 28 2004;