

CURRICULUM VITAE

ALBERTO CASOLARI

Luogo e date di nascita:

Ferrara, 18/07/1958

Istruzione:

1977 Diploma di Perito Chimico conseguito presso ITIS N. Copernico di Ferra

1982 Laurea in Farmacia conseguita presso Università di Ferrara, svolgendo una tesi sperimentale presso il laboratorio di ricerca del Prof. Piergiovanni Baraldi

1982 Abilitazione all'esercizio della professione di Farmacista

Esperienze di lavoro:

Dal 1984 in servizio presso il Dip. di Scienze Farmaceutiche della Università degli Studi di Ferrara

Dal 1986 utilizza lo strumento dipartimentale di risonanza magnetica

Fino al 2003 ha lavorato nei laboratori di ricerca del prof. G.P. Pollini

Dal 2003 utilizza lo strumento interdipartimentale di risonanza magnetica ubicato presso il Dip. di Chimica

Attualmente in servizio presso il Dip. Di Scienze Chimiche e Farmaceutiche dell'Università degli studi di Ferrara con la qualifica EP2

Esperienze didattiche:

Dal 1989 organizza e fa assistenza alle esercitazioni di laboratorio dell'insegnamento: Preparazione estrazione e sintesi dei farmaci del corso di Laurea in CTF

Nel 1995 è stato nominato cultore della disciplina Chimica Organica dal consiglio di Facoltà di Farmacia

Pubblicazioni scientifiche:

Azaprostaglandins: synthesis and antiulcer activity of 11-deoxy-8-azaprostaglandin analogues.

P.G. Baraldi, D. Simoni, A. Casolari, S. Manfredini

Il Farmaco, 1983, 7, 498-507

Synthesis of 3-substituted 7-methyl-5H-Pyrazole[4,3-d]-1,2,3-triazin-4(3H)-ones and amide -N-substituted 3-methyl-4-diazopyrazole-5-carboxamides.

P.G. Baraldi, A. Casolari, M. Guarneri, S. Manfredini, G.P. Pollini, D. Simoni, V. Zanirato

Synthesis, 1988, 1, 78-82

Synthesis of 1H-Pyrazolo[4,3-d]pyrimidina-7(6H)-ones and pirazolo-5-carboximides and interaction with benzodiazepine and adenosine A1 receptors in rat cerebral cortex.

P.G. Baraldi, A. Casolari, S. Manfredini, V. Periotto, V. Zanirato, C. Florio, V. Traversa, G.M. Bertelli and P.A. Borea

Arzneimittel-Forschung Drug Research, 1988, 38, (II), 9, 1262-1265

*Synthesis of O-(α -aminoacyl)glycolic and -lactic amides from 2-bromoacetamides or -propanamides with N-protected amino acids
G. Cavicchioni, F. D'Angeli, a. Casolari, P. Orlandini*

Synthesis, 1988, 12, 947-950

Isoxazoles-mediated synthesis of geiparvarin and dihydrogeiparvarin

P.G. Baraldi, A. Barco, S. Benetti, A. Casolari, S. Manfredini, G.P. Pollini and D. Sinoni

Tetrahedron, 1988, 44, 1267-1272

A convenient synthesis of γ -oxo-acrylates

S. Manfredini, D. Simoni, V. Zanirato, A. Casolari

Tetrahedron Letters, 1988, 29, 3997-4000

Synthesis and calcium antagonist activity of dialkyl 1,4-dihydro-2,6-dimethyl-4-(pyrazolyl)-3,5-pyridine-dicarboxylates

P.G. Baraldi, A. Chiarini, R. Budriesi, M. Roberti, A. Casolari, S. Manfredini, D. Simoni, V. Zanirato, K. Varani and P.A. Borea
Drug Design and Delivery, 1989, 5, 13-29

3,4-Bismethylenecyclopentanone ethylene ketal: a useful diene for [6.5]ring systems: application to a formal synthesis of gibberellic acid

A. Barco, S. Benetti, A. Casolari, S. Manfredini, G.P. Pollini, E. Polo and V. Zanirato

Tetrahedron, 1989, 45, 3935-3944

Synthesis and microbial activity of some new benzodifurans and phenantrolines

L. Garuti, A. Ferranti, S. Burnelli, L. Varoli, G. Giovanninetti, P. Brigidi, A. Casolari

Bollettino Chimico Farmaceutico, 1989, 128, 136-140

Synthesis, antibacterial activity and structure-activity relationships of N-substituted 3-methyl-4-diazo-5-pyrazolecarboxamides

P.G. Baraldi, P. Brigidi, A. Casolari, S. Manfredini, V. Periotto, M. Recanatini, M. Roberti and M. Rossi

Arzneimittel-Forschung/Drug research, 1989, 39, (II), 11, 1406-1410

Tandem Michael reactions for the constructing of pyrrolidine and piperidine ring systems

A. Barco, S. Benetti, A. Casolari, G.P. Pollini and G. Spalluto
Tetrahedron Letters, 1990, 31, 3039-3042

Enantioselective synthesis of (+)- and (-)- α -allokainic acid

A. Barco, S. Benetti, A. Casolari, G.P. Pollini and G. Spalluto
Tetrahedron Letters, 1990, 31, 4917-4920

A formal synthesis of Forskolin through [3+2]nitril oxide cycloaddition chemistry

A. Barco, S. Benetti, G. Spalluto, A. Casolari, G.P. Pollini, V. Zanirato and P.G. Baraldi

Il Farmaco, 1991, 46, (11), 1281-1295

A new approach to kainoids through tandem Michael reaction methodology: application to the enantioselective synthesis of (+)- and (-)- α -allokainic acid and to the formal synthesis of (-)- α -kainic acid

A. Barco, S. Benetti, G. Spalluto, A. Casolari, G.P. Pollini and V. Zanirato

The Journal of Organic Chemistry, 1992, 57, 6279-6286

Enantioselective synthesis of the hexahydronaphthalene nucleus of (-)-compactin from ethyl (1R,2S)-2-methyl-4-oxocyclohexanecarboxylate and 2-(3-nitropropyl)-1,3-dioxolane as four carbon

bifunctional annelating agent.

A. Barco, S. Benetti, A. Bianchi, A. Casolari, G.P. Pollini,
R. Romagnoli and V. Zanirato

Tetrahedron, 1994, 50, 11743-11754

Formal synthesis of Ambrox

A. Barco, S. Benetti, A. Bianchi, A. Casolari, M. Guarneri and
G.P. Pollini

Tetrahedron, 1995, 51, 8333-8338

Recent developments in fragrance chemistry

A. Bianchi, A. Casolari, C. De Risi and G.P. Pollini

Olfaction: from prereceptorial to behavioural aspect, 1996

*Inclusion complexation of the sunscreen agent 2-ethylhexyl-p-
dimethylaminobenzoate with hydroxypropyl- β -cyclodextrin:
effect on photostability.*

S. Scalia, S. Villani and A. Casolari

J. Pharm. Pharmacol., 1999, 51, 1367-1374

*Comparative studies of the influence of cyclodextrins on the
stability of the sunscreen agent, 2-ethyl-p-methoxycinnamate.*

S. Scalia, A. Casolari, A. Iaconinoto, S. Simeoni

J. of Pharmaceutical and Biomedical Analysis, 2002,30, 1181-1189

*Influence of cyclodextrin complexation on the photodegradation
and antioxidant activity of α -tocopherol*

Pharmazie, 2004, 59, 30-33

*An efficient approach to chiral nonracemic trans- and cis-decalin
scaffolds for drimane and labdane synthesis.*

G.P. Pollini, A. Bianchi, A. Casolari, C. De Risi, V. Zanirato and
V. Betolasi

Tetrahedron Asymmetry, 2004, 15, 3223-3231

*Complexation of the sunscreen agent, phenylbenzimidazole sulphonic
acid with cyclodextrins: effect on stability and photo-induced free
radical formation.*

S. Scalia, A. Molinari, A. Casolari, A. Maldotti

European Journal of pharmaceutical Science, 2004, 22, 241-249

*Synthesis and evaluation of α -bromoacryloil and nitrooxya-
cetyl benzo[b]thiofene derivatives as potent antiproliferative
agent against leukemia L1210 and K562 cells.*

R. Romagnoli, P.G. Baraldi, M. D. Carrion, C. Lopez Cara,
A. Casolari, E. Hamel, E. Fabbri and Roberto Gambari

Letters in drug design & discovery, 2010,7,476-486

Pubblicazioni con ringraziamenti:

*Carnitine conjugate of Nipecotic acid: a new example of dual
prodrug.*

Molecules, 2009, 14, 3268-3274

*Design, synthesis and structure-activity relationship of
2-(3',4',5'-trimethoxy)-benzo[b]furan derivatives as a
Novel class of inhibitors of tubulin polymerization*

Bioorganic & Medicinal Chemistry, 17, 2009, 6862-6871

*2-Arylamino-4-amino-5-arylthiazoles. "One pot" synthesis
and biological evaluation of a new class of inhibitor of
tubulin polymerization*

Journal Medicinal Chemistry, 2009, 52, 5551-5555
 α -Bromoacrylamido N-substituted isatin derivatives as potent inducer of apoptosis in human myeloid leukemia cells.

ChemMedChem, 2009, 4, 1668-1676
First synthesis of 2,6-diazabicyclo[3.2.0]heptane derivatives
Tetrahedron Letters, 50, 2009, 7280-7282
Symmetrical α -bromoacryloilamido diaryldienone derivatives as a novel series of antiproliferative agents. Design, synthesis and biological evaluation
Bioorganic & Medicinal Chemistry Letters, 20, 2010, 2733-2739
A convenient preparation of 3-isopropyl-1-methylcyclopentylmethanol 1-isopropyl-3-methylcyclopentylmethanol via Favorskii rearrangement
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Synthesis and antitumor activity of 1,5-disubstituted 1,2,4-triazoles as cis-restricted combretastin analogues
Journal medicinal chemistry, 2010, 53, 4248-4258
Substituted 2-(3',4',5'-trimethoxybenzoyl)-benzo[b]thiophene derivatives as potent tubulin polymerization inhibitors
Bioorganic & Medicinal Chemistry, 18, 2010, 5114-5122
Synthesis and biological evaluation of 2-(3',4',5'-trimethoxybenzoyl)-3-aryl/arylaminobenzo[b]thiophene derivatives as a Novel class of antiproliferative agents.
European Journal of Medicinal Chemistry, 45, 2010, 5781-5791
Synthesis and cellular pharmacology studies of a series of 2-amino-3-aryl-4-substituted thiophene derivatives
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ChemMedChem, 2011, 6, 1841-1853
Novel molecular combination deriving from natural amino-acids and polyphenols: design, synthesis and free-radical scavenging activities.
European Journal of Medicinal Chemistry, 50, 2012, 383-392
Discovery and optimization of a series of 2-aryl-4-amino-5-

(3',4',5'-trimethoxybenzoyl)thiazoles as novel anticancer agents.

Journal of Medicinal Chemistry, 2012, 55, 5433-5445

Synthesis and in vitro stability of nucleoside 5'-phosphonate derivatives

European Journal of Medicinal chemistry, 54 2012, 202-209

Synthesis and biological evaluation of 2-amino-3-(4-Chlorobenzoyl)-4-[(4-arylpiperazin-1-yl)methyl]-5-substituted-thiophenes. Effect of the 5-modification on allosteric enhancer activity at the A1 adenosine receptor.

Journal of Medicinal Chemistry, 2012, 55, 7719-7735

Diastereoselective nitrocyclopropanation of 2,5-dihydrothiophene-3-carbaldehydes.

Tetrahedron Letters, 54, 2013, 283-286

Tesi di laurea del Dott. Dario Cristofaro: Studi diretti alla Sintesi di alfa-amminoacidi costretti.

Corso di laurea magistrale in Scienze chimiche A.A. 2012-2013

Synthesis and biological evaluation of 2-(alcoxycarbonyl)-3-anilinobenzo[b]thiophenes and thieno[2,3-b]pyridines as new potent anticancer agents

Journal of Medicinal Chemistry, 53, 2013, 2606-2618

Anticancer activity of novel hybrid molecules containing 5-benzylidene thiazolidine-2,4-dione

European Journal Medicinal Chemistry, 63, 2013, 544-557

Concise synthesis and biological evaluation of 2-Aroyl-5-Aminobenzo[b]thiophene derivatives as a novel class of potent antimicrobial agents.

Journal of Medicinal chemistry, 56, 2013, 9296-9309

Evaluation of antiradical activity of different cocoa and chocolate products, relation to lipid and protein composition

Journal of Medicinal Food, 17, 2014, 512-516

Synthesis and biological evaluation of novel 2-amino-3-aryloyl-5-substituted thiophene derivatives as allosteric enhancers of the A1 adenosine receptor

Bioorganic & Medicinal Chemistry, 22, 2014, 148-166

Synthesis, antimicrobial and antitumor activity of 1-(3',4',5'-trimethoxybenzoyl)-3-arylamino-5-amino-1,2,4-triazoles.

Journal of Medicinal Chemistry, 57, 2014, 6795-6808

Synthesis and biological evaluation of novel allosteric enhancer of the A1 adenosine receptor based on 2-amino-3-(4'-chlorobenzoyl)-4-substituted-5-arylethynyl thiophene

Journal of Medicinal Chemistry, 57, 2014, 7673-7686

Design, synthesis, in vitro and in vivo anticancer and antiangiogenic activity of novel 3-arylamino-benzofuran derivatives targeting the colchicine site on tubulin

Journal of Medicinal Chemistry, 58, 2015, 3209-3222

Il sottoscritto acconsente, ai sensi del D. Lgs. 30/06/2003 n 196, al trattamento dei propri dati personali.

Il sottoscritto acconsente alla pubblicazione del presente curriculum vitae sul sito dell'Università di Ferrara.

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