Delia Preti

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INFORMAZIONI PERSONALI

- Nazionalità: Italiana
- Data di nascita: 18/12/1976
- Luogo di nascita: Bondeno (Fe)

ISTRUZIONE

2002-2004 *Università degli Studi di Ferrara*

- Dottorato di ricerca in Scienze Farmaceutiche
- Titolo tesi: "Progettazione, sintesi e valutazione biologica di nuovi ligandi del sistema recettoriale adenosinico"

1995-2001 *Università degli Studi di Ferrara*

- Laurea in Chimica e Tecnologia Farmaceutiche
- Titolo tesi: "Progettazione, sintesi e valutazione biologica di derivati pirazolo[4,3-*e*][1,2,4]triazolo[1,5-*c*]pirimidinici C^9 sostituiti quali potenziali antagonisti dei recettori adenosinici A_{2A} e A_3"
- Votazione: 110/110 e lode

1990-1995 *Liceo Scientifico A. Roiti di Ferrara*

- Maturità scientifica
- Votazione: 60/60

ATTIVITA' LAVORATIVA DI RICERCA

Posizione attuale *Università degli Studi di Firenze* *Dipartimento di Scienze della Salute*

- titolare di assegno di ricerca riguardante la sintesi, identificazione e validazione di ligandi per il recettore canale TRPA1.

2010-2011 *Università degli Studi di Firenze* *Dipartimento di Scienze della Salute*

- titolare di una borsa di studio dal titolo "Sintesi , identificazione e validazione di nuovi antagonisti per il recettore canale TRPA1" come approccio alternativo a quelli attualmente in uso per il trattamento di dolore e infiammazione.

2005-2009 *Università degli Studi di Ferrara* *Dipartimento di Scienze Farmaceutiche*

- Titolare di assegno di ricerca nel settore chimico-farmaceutico (CHIM08) inerente la sintesi di ligandi selettivi per i recettori adenosinici e inibitori della polimerizzazione della tubulina come agenti antimitotici antitumorali

2000-2004 *Università degli Studi di Ferrara* *Dipartimento di Scienze Farmaceutiche*

- Attività di ricerca svolta durante il periodo di internato di tesi di laurea sperimentale e di dottorato di ricerca.

ATTIVITA' DIDATTICA

2008-2009 *Università degli Studi di Ferrara*

- Titolare di contratto di docenza per l'insegnamento di "Chimica dei prodotti cosmetici" presso la facoltà di Farmacia (2° anno del corso di laurea di Scienze e Tecnologie dei Prodotti Erboristici, Dietetici e Cosmetici, STP).

2003-2013

- Attività di supporto agli studenti durante il periodo di tesi di laurea sperimentale nel settore chimico farmaceutico, sia per il corretto svolgimento dell'attività pratica di laboratorio che per la stesura delle tesi e la preparazione teorica dei progetti di ricerca sviluppati.

COMPETENZE ACQUISITE

- Progettazione e sintesi di molecole farmacologicamente attive
- Ottimizzazione di un lead compound
- Metodologie sintetiche in fase liquida, purificazione e caratterizzazione di molecole organiche.
- Utilizzo tecniche IR, ESI, HPLC, UV.
- Conoscenza teorica di saggi farmacologici preclinici in vitro quali binding e saggi fisiologico-funzionali.
- Conoscenza teorica delle principali tecniche di molecular modelling quali docking, homology modeling, COMFA, virtual screening (receptor and/or ligand based drug design)
- Stesura di articoli e pubblicazioni scientifiche

LINGUE STRANIERE

- INGLESE: ottimo
- FRANCESE: scolastico
- SPAGNOLO: buono

CORSI AVANZATI

2006 ▪ ***"V Laboratorio di Metodologie Sintetiche in Chimica Farmaceutica"*****,** Divisione di Chimica Farmaceutica, SCI, Università degli Studi di Siena, 12-17 Febbraio, 2006.

2004 ▪ ***"III Laboratorio di Metodologie Sintetiche in Chimica Farmaceutica"*****,** Divisione di Chimica Farmaceutica, SCI, Università degli Studi di Siena, 15-20 Febbraio, 2004.

2003 ▪ ***"XXIII Corso Avanzato in Chimica Farmaceutica e Seminario Nazionale per Dottorandi"*** E. Duranti", Divisione di Chimica Farmaceutica, SCI, Urbino, 30 Giugno-4 Luglio 2003.

2002 ▪ ***"XXII Corso Avanzato in Chimica Farmaceutica e Seminario Nazionale per Dottorand"*** E. Duranti, Divisione di Chimica Farmaceutica, SCI, Urbino, 1-5 Luglio 2002.

ATTIVITA' SCIENTIFICA

Progettazione, sintesi e caratterizzazione di molecole farmacologicamente attive sviluppate nell'ambito dei seguenti progetti di ricerca:

LIGANDI DEL SISTEMA RECETTORIALE ADENOSINICO

1) Agonisti del recettore adenosinico A_{2B}
2) Agonisti del recettore adenosinico A_3
3) Antagonisti del recettore adenosinico A_{2B}
4) Antagonisti del recettore adenosinico A_3

MOLECOLE AD ATTIVITA' ANTITUMORALE

5) Inibitori della tubulina

SVILUPPO DI NUOVI POTENZIALI ANALGESICI

1) Antagonisti del recettore canale TRPA1

PUBBLICAZIONI

1. Discovery of 7-Oxopyrazolo[1,5-a]pyrimidine-6-carboxamides as Potent and Selective CB2 Cannabinoid Receptor Inverse Agonists. Aghazadeh Tabrizi, Mojgan; Baraldi, Pier Giovanni; Saponaro, Giulia; Moorman, Allan R.; Romagnoli, Romeo; Preti, Delia; Baraldi, Stefania; Ruggiero, Emanuela; Tintori, Cristina; Tuccinardi, Tiziano; et al. Journal of Medicinal Chemistry (2013), 56(11), 4482-4496.
2. Synthesis and Biological Evaluation of 2-(Alkoxycarbonyl)-3-Anilinobenzo[b]thiophenes and Thieno[2,3-b]pyridines as New Potent Anticancer Agents. Romagnoli, Romeo; Baraldi, Pier Giovanni; Kimatrai Salvador, Maria; Preti, Delia; Aghazadeh Tabrizi, Mojgan; Bassetto, Marcella; Brancale, Andrea; Hamel, Ernest; Castagliuolo, Ignazio; Bortolozzi, Roberta; et al. Journal of Medicinal Chemistry (2013), 56(6), 2606-2618.
3. Design, Synthesis, and Pharmacological Properties of New Heteroarylpyridine/Heteroarylpyrimidine Derivatives as CB2 Cannabinoid Receptor Partial Agonists. Aghazadeh Tabrizi, Mojgan; Baraldi, Pier Giovanni; Saponaro, Giulia; Moorman, Allan R.; Romagnoli, Romeo; Preti, Delia; Baraldi, Stefania; Corciulo, Carmen; Vincenzi, Fabrizio; Borea, Pier Andrea; et al. Journal of Medicinal Chemistry (2013), 56(3), 1098-1112.
4. Synthesis and biological evaluation of 2-substituted-4-(3',4',5'-trimethoxyphenyl)-5-aryl thiazoles as anticancer agents. Romagnoli, Romeo; Baraldi, Pier Giovanni; Salvador, Maria Kimatrai; Camacho, M. Encarnacion; Preti, Delia; Tabrizi, Mojgan Aghazadeh; Bassetto, Marcella; Brancale, Andrea; Hamel, Ernest; Bortolozzi, Roberta; et al. Bioorganic & Medicinal Chemistry (2012), 20(24), 7083-7094.
5. 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. Romagnoli, Romeo; Baraldi, Pier Giovanni; Carrion, Maria Dora; Cara, Carlota Lopez; Cruz-Lopez, Olga; Salvador, Maria Kimatrai; Preti, Delia; Tabrizi, Mojgan Aghazadeh; Moorman, Allan R.; Vincenzi, Fabrizio; et al. Journal of Medicinal Chemistry (2012), 55(17), 7719-7735.
6. Activation of TRPA1 on dural afferents: A potential mechanism of headache pain. Edelmayer, Rebecca M.; Le, Larry N.; Yan, Jin; Wei, Xiaomei; Nassini, Romina; Materazzi, Serena; Preti, Delia; Appendino, Giovanni; Geppetti, Pierangelo; Dodick, David W.; et al. Pain (2012), 153(9), 1949-1958.
7. 7-Oxo-[1,4]oxazino[2,3,4-ij]quinoline-6-carboxamides as Selective CB2 Cannabinoid Receptor Ligands: Structural Investigations around a Novel Class of Full Agonists. Baraldi, Pier Giovanni; Saponaro, Giulia; Moorman, Allan R.; Romagnoli, Romeo; Preti, Delia; Baraldi, Stefania; Ruggiero, Emanuela; Varani, Katia; Targa, Martina; Vincenzi, Fabrizio; et al. Journal of Medicinal Chemistry (2012), 55(14), 6608-6623.
8. TRP channels as therapeutic targets in airway disorders: a patent review. Preti, Delia; Szallasi, Arpad; Patacchini, Riccardo. Expert Opinion on Therapeutic Patents (2012), 22(6), 663-695.
9. Discovery and optimization of a series of 2-aryl-4-amino-5-(3',4',5'-trimethoxybenzoyl)thiazoles as novel anticancer agents. Romagnoli, Romeo; Baraldi, Pier Giovanni; Salvador, Maria Kimatrai; Preti, Delia; Aghazadeh Tabrizi, Mojgan; Brancale, Andrea; Fu, Xian-Hua; Li, Jun; Zhang, Su-Zhan; Hamel, Ernest; et al. Journal of Medicinal Chemistry (2012), 55(11), 5433-5445.
10. Water-Soluble Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidines as Human A3 Adenosine Receptor Antagonists. Baraldi, Pier Giovanni; Saponaro, Giulia; Romagnoli, Romeo; Aghazadeh Tabrizi, Mojgan; Baraldi, Stefania; Moorman, Allan R.; Cosconati, Sandro; Di Maro, Salvatore; Marinelli, Luciana; Gessi, Stefania; Delia Preti. Journal of Medicinal Chemistry (2012), 55(11), 5380-5390.
11. Medicinal Chemistry of A3 Adenosine Receptor Modulators: Pharmacological Activities and Therapeutic Implications. Baraldi, Pier Giovanni; Preti, Delia; Borea, Pier Andrea; Varani, Katia. Journal of Medicinal Chemistry (2012), 55(12), 5676-5703.
12. 7-Substituted-pyrrolo[3,2-d]pyrimidine-2,4-dione derivatives as antagonists of the transient receptor potential ankyrin 1 (TRPA1) channel: A promising approach for treating pain and inflammation. Baraldi, Pier Giovanni; Romagnoli, Romeo; Saponaro, Giulia; Aghazadeh Tabrizi, Mojgan; Baraldi, Stefania; Pedretti, Pamela; Fusi, Camilla; Nassini, Romina; Materazzi, Serena; Geppetti, Pierangelo; Preti, Delia. Bioorganic & Medicinal Chemistry (2012), 20(5), 1690-1698.
13. Design, synthesis and biological evaluation of hybrid molecules containing conjugated styryl ketone and α-bromoacryloyl moieties. Romagnoli, Romeo; Baraldi, Pier Giovanni; Cruz-Lopez, Olga; Salvador, Maria Kimatrai; Preti, Delia; Tabrizi, Mojgan Aghazadeh; Balzarini, Jan; Canella, Alessandro; Fabbri, Enrica; Gambari, Roberto. Letters in Drug Design & Discovery (2012), 9(2), 140-152.
14. The 'headache tree' via umbellulone and TRPA1 activates the trigeminovascular system. Nassini Romina; Materazzi Serena; Vriens Joris; Prenen Jean; Benemei Silvia; De Siena Gaetano; la Marca Giancarlo; Andre Eunice; Preti Delia; Avonto Cristina; et al. Brain : a journal of neurology (2012), 135(Pt 2), 376-90.
15. Structure-activity relationships of 2-amino-3-aroyl-4-[(4-arylpiperazin-1-yl)methyl]thiophenes. Part 2: Probing the influence of diverse substituents at the phenyl of the arylpiperazine moiety on allosteric

enhancer activity at the A1 adenosine receptor. Romagnoli, Romeo; Baraldi, Pier Giovanni; Carrion, Maria Dora; Cara, Carlota Lopez; Cruz-Lopez, Olga; Salvador, Maria Kimatrai; Preti, Delia; Tabrizi, Mojgan Aghazadeh; Shryock, John C.; Moorman, Allan R.; et al. Bioorganic & Medicinal Chemistry (2012), 20(2), 996-1007.

16. Pyrrolo- and pyrazolo-[3,4-e][1,2,4]triazolo[1,5-c]pyrimidines as adenosine receptor antagonists. Baraldi, Pier Giovanni; Saponaro, Giulia; Aghazadeh Tabrizi, Mojgan; Baraldi, Stefania; Romagnoli, Romeo; Moorman, Allan R.; Varani, Katia; Borea, Pier Andrea; Preti, Delia. Bioorganic & Medicinal Chemistry (2012), 20(2), 1046-1059.
17. Novel 1,3-Dipropyl-8-(3-benzimidazol-2-yl-methoxy-1-methylpyrazol-5-yl)xanthines as Potent and Selective A2B Adenosine Receptor Antagonists. Baraldi, Pier Giovanni; Baraldi, Stefania; Saponaro, Giulia; Preti, Delia; Romagnoli, Romeo; Piccagli, Laura; Cavalli, Andrea; Recanatini, Maurizio; Moorman, Allan R.; Abdel Zaid, Naser; et al. Journal of Medicinal Chemistry (2012), 55(2), 797-811.
18. Synthesis and Evaluation of 1,5-Disubstituted Tetrazoles as Rigid Analogues of Combretastatin A-4 with Potent Antiproliferative and Antitumor Activity. Romagnoli, Romeo; Baraldi, Pier Giovanni; Salvador, Maria Kimatrai; Preti, Delia; Aghazadeh Tabrizi, Mojgan; Brancale, Andrea; Fu, Xian-Hua; Li, Jun; Zhang, Su-Zhan; Hamel, Ernest; et al. Journal of Medicinal Chemistry (2012), 55(1), 475-488.
19. New 2-Heterocyclyl-imidazo[2,1-i]purin-5-one Derivatives as Potent and Selective Human A3 Adenosine Receptor Antagonists. Baraldi, Pier Giovanni; Preti, Delia; Zaid, Abdel Naser; Saponaro, Giulia; Tabrizi, Mojgan Aghazadeh; Baraldi, Stefania; Romagnoli, Romeo; Moorman, Allan R.; Varani, Katia; Cosconati, Sandro; Preti, Delia. Journal of Medicinal Chemistry (2011), 54(14), 5205-5220.
20. Oxaliplatin elicits mechanical and cold allodynia in rodents via TRPA1 receptor stimulation. Nassini, Romina; Gees, Maarten; Harrison, Selena; De Siena, Gaetano; Materazzi, Serena; Moretto, Nadia; Failli, Paola; Preti, Delia; Marchetti, Nicola; Cavazzini, Alberto; et al. Pain (2011), 152(7), 1621-1631.
21. Acetaminophen, via its reactive metabolite N-acetyl-p-benzo-quinoneimine and transient receptor potential ankyrin-1 stimulation, causes neurogenic inflammation in the airways and other tissues in rodents. Nassini R, Materazzi S, Andrè E, Sartiani L, Aldini G, Trevisani M, Carnini C, Massi D, Pedretti P, Carini M, Cerbai E, Preti D, Villetti G, Civelli M, Trevisan G, Azzari C, Stokesberry S, Sadofsky L, McGarvey L, Patacchini R, Geppetti P. FASEB J. (2010), 24(12), 4904-4916
22. Transient Receptor Potential Ankyrin 1 (TRPA1) Channel as Emerging Target for Novel Analgesics and Anti-Inflammatory Agents. Baraldi, P G; Preti, D; Materazzi, S; Geppetti, P. J Med Chem (2010), 53(14), 5085-5107.
23. Transient receptor potential ankyrin receptor 1 is a novel target for pro-tussive agents. Andre, E.; Gatti, R.; Trevisani, M.; Preti, D.; Baraldi, P. G.; Patacchini, R. British Journal of Pharmacology (2010), 159(4), 982.
24. Medicinal chemistry of the A_3 adenosine receptor: agonists, antagonists, and receptor engineering. Jacobson, K A.; Klutz, A M.; Tosh, D K.; Ivanov, A A.; Preti, D; Baraldi, P G. Handbook of Experimental Pharmacology (2009), 193(Adenosine Receptors in Health and Disease), 123-159.
25. Adenosine Modulates HIF-1α, VEGF, IL-8, and Foam Cell Formation in a Human Model of Hypoxic Foam Cells. Gessi, S; Fogli, E; Sacchetto, V; Merighi, S; Varani, K; Preti, D; Leung, E; MacLennan, S; Borea, P A Arteriosclerosis, Thrombosis, and Vascular Biology (2010), 30(1), 90-97.
26. α-Bromoacrylamido N-Substituted Isatin Derivatives as Potent Inducers of Apoptosis in Human Myeloid Leukemia Cells. Romagnoli, R; Baraldi, P G; Cruz-Lopez, O; Preti, D; Bermejo, J; Estevez, F. ChemMedChem (2009), 4(10), 1668-1676.
27. Discovery of 8-methoxypyrazino[1,2-*a*]indole as a new potent antiproliferative agent against human leukemia K562 cells. a structure-activity relationship study. Romagnoli, R; Baraldi, P G; Carrion, M D; Cruz-Lopez, O; Cara, C L; Preti, D; Tabrizi, M A; Balzarini, J; Hamel, E; Fabbri, E; et al. Letters in Drug Design & Discovery (2009), 6(4), 298-303.
28. α-halogenoacrylic derivatives of antitumor agents. Romagnoli, R; Baraldi, Pi G; Cruz-Lopez, O; Lopez-Cara, C; Preti, D. Mini-Reviews in Medicinal Chemistry (2009), 9(1), 81-94.
29. Recent improvements in the development of A_{2B} adenosine receptor agonists. Baraldi, P G; Tabrizi, M A; Fruttarolo, F; Romagnoli, R; Preti, D. Purinergic Signalling (2009), 5(1), 3-19.
30. Synthesis and biological evaluation of 2-aroyl-4-phenyl-5-hydroxybenzofurans as a new class of antitubulin agents. Romagnoli, R; Baraldi, P G; Sarkar, T; Cara, C L; Lopez, O C; Carrion, M D; Preti, D; Tolomeo, M; Balzarini, J; Hamel, E. Medicinal Chemistry (2008), 4(6), 558-564.
31. Structure-activity relationship studies of a new series of imidazo[2,1-*f*]purinones as potent and selective A_3 adenosine receptor antagonists. Baraldi, P G; Preti, D; Tabrizi, M A; Romagnoli, R; Saponaro, G; Baraldi, S; Botta, M; Bernardini, C; Tafi, A; Tuccinardi, T; et al. Bioorganic & Medicinal Chemistry (2008), 16(24), 10281-10294.
32. Synthesis and Biological Evaluation of 2-Amino-3-(4-Chlorobenzoyl)-4-[N-(Substituted) Piperazin-1-yl]Thiophenes as Potent Allosteric Enhancers of the A_1 Adenosine Receptor. Romagnoli, R; Baraldi, P G; Carrion, M D; Cara, C L; Cruz-Lopez, O; Iaconinoto, M A; Preti, D; Shryock, J C.; Moorman, A R.; Vincenzi, F; et al. Journal of Medicinal Chemistry (2008), 51(18), 5875-5879.

33. Design, synthesis, and biological evaluation of thiophene analogues of chalcones. Romagnoli, R; Baraldi, P G; Carrion, M D; Cara, C L; Cruz-Lopez, O; Preti, D; Tolomeo, M; Grimaudo, S; Di Cristina, A; Zonta, N; et al. Bioorganic & Medicinal Chemistry (2008), 16(10), 5367-5376.
34. The P2X7 receptor as a therapeutic target. Romagnoli, R; Baraldi, P G; Cruz-Lopez, O; Lopez-Cara, C; Preti, D; Borea, P A; Gessi, S. Expert Opinion on Therapeutic Targets (2008), 12(5), 647-661.
35. 1,3-Dipropyl-8-(1-phenylacetamide-1H-pyrazol-3-yl)-xanthine derivatives as highly potent and selective human A_{2B} adenosine receptor antagonists. Tabrizi, M A; Baraldi, P G; Preti, D; Romagnoli, R; Saponaro, G; Baraldi, S; Moorman, A R.; Zaid, A N; Varani, K; Borea, P A. Bioorganic & Medicinal Chemistry (2008), 16(5), 2419-2430.
36. Synthesis and Biological Evaluation of 1-Methyl-2-(3',4',5'-trimethoxybenzoyl)-3-aminoindoles as a New Class of Antimitotic Agents and Tubulin Inhibitors. Romagnoli, R; Baraldi, P Gi; Sarkar, T; Carrion, M D; Lopez C, Carlota; Cruz-Lopez, O; Preti, D; Tabrizi, M A; Tolomeo, M; Grimaudo, S; et al. Journal of Medicinal Chemistry (2008), 51(5), 1464-1468.
37. Synthesis and biological evaluation of 2-amino-3-(3',4',5'-trimethoxyphenylsulfonyl)-5-aryl thiophenes as a new class of antitubulin agents. Romagnoli, R; Baraldi, P G; Remusat, V; Carrion, M D; Cara, C L; Cruz-Lopez, O; Preti, D; Fruttarolo, F; Tabrizi, M A; Balzarini, J; et al. Medicinal Chemistry (2007), 3(6), 507-512.
38. Microwave-assisted synthesis of substituted 2,4-diarylthiazoles and their evaluation as anticancer agents. Romagnoli, R; Baraldi, P G; Lopez, O C; Carrion, M D; Cara, C L; Preti, D; Tabrizi, M A; Balzarini, J Letters in Drug Design & Discovery (2007), 4(7), 464-466.
39. Novel 8-heterocyclyl xanthine derivatives in drug development - an update. Baraldi, P G.; Fruttarolo, F; Tabrizi, M A.; Romagnoli, R; Preti, D. Expert Opinion on Drug Discovery (2007), 2(9), 1161-1183.
40. Pyrazolo[4,3-*e*][1,2,4]triazolo[1,5-*c*]pyrimidines and linked heterocycles as template for the adenosine receptor antagonism: medicinal chemistry approach and SAR considerations. Baraldi, P G; Romagnoli, R; El-Kashef, H; Tabrizi, M A; Preti, D; Pavani, M G; Zanella, L; Fruttarolo, F. Targets in Heterocyclic Systems (2006), 10, 175-196.
41. From Tyrosine to Glycine: Synthesis and Biological Activity of Potent Antagonists of the Purinergic P2X7 Receptor. Romagnoli, R; Baraldi, P G; Carrion, M D; Cara, C L; Preti, D; Cruz-Lopez, O; Tabrizi, M A; Moorman, A R.; Gessi, S; Fogli, E; et al. Journal of Medicinal Chemistry (2007), 50(15), 3706-3715.
42. Allosteric enhancers for A_1 adenosine receptor. Baraldi, P G; Iaconinoto, M A; Moorman, A R.; Carrion, M D; Cara, C L; Preti, D; Lopez, O C; Fruttarolo, F; Tabrizi, M A; Romagnoli, R. Mini-Reviews in Medicinal Chemistry (2007), 7(6), 559-569.
43. Hybrid molecules containing benzo[4,5]imidazo[1,2-*d*][1,2,4]thiadiazole and α-bromoacryloyl moieties as potent apoptosis inducers on human myeloid leukemia cells. Romagnoli, R; Baraldi, P G; Carrion, M D; Cruz-Lopez, O; Preti, D; Tabrizi, M A; Fruttarolo, F; Heilmann, J; Bermejo, J; Estevez, F. Bioorganic & Medicinal Chemistry Letters (2007), 17(10), 2844-2848.
44. Synthesis of a new series of pyrazolo[1,5-*a*]pyrimidines structurally related to zaleplon. Baraldi, P G; Fruttarolo, F; Tabrizi, M A; Romagnoli, R; Preti, Delia; Ongini, E; El-Kashef, H; Carrion, M D; Borea, P A. Journal of Heterocyclic Chemistry (2007), 44(2), 355-361.
45. Synthesis and Biological Evaluation of 2- and 3-Aminobenzo[b]thiophene Derivatives as Antimitotic Agents and Inhibitors of Tubulin Polymerization. Romagnoli, R; Baraldi, P G; Carrion, M D; Lopez C, Carlota; Preti, D; Fruttarolo, F; Pavani, Maria G; Tabrizi, M A; Tolomeo, M; Grimaudo, S; et al. Journal of Medicinal Chemistry (2007), 50(9), 2273-2277.
46. N^6-[(Hetero)aryl/(cyclo)alkyl-carbamoyl-methoxy-phenyl]-(2-chloro)-5'-N-ethylcarboxamido-adenosines: The first example of adenosine-related structures with potent agonist activity at the human A_{2B} adenosine receptor. Baraldi, P G; Preti, D; Tabrizi, M A; Fruttarolo, F; Saponaro, G; Baraldi, S; Romagnoli, R; Moorman, A R.; Gessi, S; Varani, K; et al. Bioorganic & Medicinal Chemistry (2007), 15(7), 2514-2527.
47. Synthesis and Biological Evaluation of Novel 1-Deoxy-1-[6-[((hetero)arylcarbonyl)hydrazino]- 9H-purin-9-yl]-N-ethyl-β-D-ribofuranuronamide Derivatives as Useful Templates for the Development of A_{2B} Adenosine Receptor Agonists. Baraldi, P G; Preti, D; Tabrizi, M A; Fruttarolo, F; Romagnoli, R; Carrion, M D; Cara, L C; Moorman, A R.; Varani, K; Borea, P A. Journal of Medicinal Chemistry (2007), 50(2), 374-380.
48. Hybrid molecules between distamycin A and active moieties of antitumor agents. Baraldi, P G; Preti, D; Fruttarolo, F; Tabrizi, M A; Romagnoli, R. Bioorganic & Medicinal Chemistry (2007), 15(1), 17-35.
49. Ligands for A_{2B} adenosine receptor subtype. Baraldi, P G; Romagnoli, R; Preti, D; Fruttarolo, F; Carrion, M D; Tabrizi, M A. Current Medicinal Chemistry (2006), 13(28), 3467-3482.
50. Microwave-assisted synthesis of thieno[2,3-*c*]pyridine derivatives as a new series of allosteric enhancers at the adenosine A_1 receptor. Romagnoli, R; Baraldi, P G; Moorman, A R.; Iaconinoto, M A; Carrion, M D; Cara, C L; Tabrizi, M A; Preti, D; Fruttarolo, F; Baker, S P.; et al. Bioorganic & Medicinal Chemistry Letters (2006), 16(21), 5530-5533.

51. Synthesis and biological evaluation of 2-(3',4',5'-trimethoxybenzoyl)-3-amino 5-aryl thiophenes as a new class of tubulin inhibitors. Romagnoli, R; Baraldi, P G; Remusat, V; Carrion, M D; Cara, C L; Preti, D; Fruttarolo, F; Pavani, M G; Tabrizi, M A; Tolomeo, M; et al. Journal of Medicinal Chemistry (2006), 49(21), 6425-6428.
52. Synthesis and Biological Evaluation of 2-Amino-3-(3',4',5'-trimethoxybenzoyl)-5-aryl Thiophenes as a New Class of Potent Antitubulin Agents. Romagnoli, R; Baraldi, P G; Pavani, M G; Tabrizi, M A; Preti, D; Fruttarolo, F; Piccagli, L; Jung, M. K; Hamel, E; Borgatti, M; et al. Journal of Medicinal Chemistry (2006), 49(13), 3906-3915.
53. Pyrazolo[4,3-*e*][1,2,4]triazolo[1,5-*c*]pyrimidine template: organic and medicinal chemistry approach. Baraldi, P G; Tabrizi, M A; Romagnoli, R; El-Kashef, H; Preti, D; Bovero, A; Fruttarolo, F; Gordaliza, M; Borea, P A. Current Organic Chemistry (2006), 10(3), 259-275.
54. Hybrid molecules based on distamycin A as potential antitumor agents. Baraldi, P G; Zaid, A N; Preti, D; Fruttarolo, F; Tabrizi, M A; Iaconinoto, A; Pavani, M G; Carrion, M D; Cara, C L; Romagnoli, R. ARKIVOC (Gainesville, FL, United States) (2006), (7), 20-34.
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BREVETTI

1. **Preparation of fused purine derivatives as adenosine A3 receptor modulators.** Baraldi, Pier; Borea, Pier Andrea; Preti, Delia; Tabrizi, Mojgan Aghazadeh. (King Pharmaceuticals Research and Development, Inc., USA). PCT Int. Appl. (2006), 42pp. Patent written in English. Application: WO 2006-US3477 20060201. Priority: US 2005-649726 20050202; US 2006-344295 20060131. CAN 145:230471 AN 2006:796772

2. **Preparation of adenosine a2b receptor agonists for use as prodrugs treating diseases in mammals.** Baraldi, Pier Giovanni; Borea, Pier Andrea; Moorman, Allan R.; Preti, Delia. (Italy). U.S. Pat. Appl. Publ. (2007), 19pp. CODEN: USXXCO US 2007281902 A1 20071206 Patent written in English. Application: US 2007-757559 20070604. Priority: US 2006-811350 20060606. CAN 148:33977 AN 2007:1396539

3. **Preparation of fused purine derivatives as adenosine A3 receptor modulators.** Baraldi, Pier Giovanni; Borea, Pier Andrea; Preti, Delia; Tabrizi, Mojgan Aghazadeh. (King Pharmaceuticals Research and Development, Inc., USA). U.S. (2008), 22pp. CODEN: USXXAM US 7435740 B2 20081014 Patent written in English. Application: US 2006-344295 20060131. Priority: US 2005-649726 20050202.

COMUNICAZIONI A CONGRESSI

1. **Novas aproximações para a descoberta de farmacos. Possibilidades e limitações na America Latina, Rio de Janeiro, Agosto 2001.** a) Synthesis Y perfil biologico de analogos pirazolicos relacionados con el agente antitumoral CC-1065 y adozelesina. Baraldi, Pier Giovanni; Avitabile, Barbara; Preti, Delia; Pavani, Giovanna; Nunez Carretero MC; Fruttarolo, Francesca; Tabrizi, Mojgan Aghazadeh; Cacciari Barbara, Romagnoli Romeo. b) Diseno, syntesis, y evaluation biologica de nuevos ligandos del receptor A3 de la adenosina. Baraldi, Pier Giovanni; Avitabile, Barbara; Preti, Delia; Pavani, Giovanna; Nunez Carretero MC; Fruttarolo, Francesca; Tabrizi, Mojgan Aghazadeh; Cacciari Barbara; Spalluto, Gianpiero; Romagnoli Romeo.

2. **17th meeting of the European association for cancer research, Granada, 8-11 Giugno 2002.** Design, synthesis and biological evaluation of new CC1065-distamycin hybrids acting as minor DNA binders. Baraldi, Pier Giovanni; Romagnoli, Romeo; Tabrizi, Mojgan Aghazadeh; Preti, Delia; Avitabile, Barbara; Bovero, Andrea; Pavani, Giovanna; Nunez Carretero MC.

3. **International symposium on the chemistry of natural products, Firenze, 28 Luglio-2 Agosto 2002.** DNA monor groove binders: design, synthesis and biological evaluation of ligands structurally related to CC-1065, distamycin and anthramycin. Baraldi, Pier Giovanni; Romagnoli, Romeo; Tabrizi, Mojgan Aghazadeh; Preti, Delia; Avitabile, Barbara; Bovero, Andrea; Pavani, Giovanna; Nunez Carretero MC.

4. **XVIIth international symposium on medicinal chemistry, Barcellona, 1-5 Settembre, 2002.** Recent development in the field of adenosine receptors ligands. Baraldi, Pier Giovanni; Fruttarolo, Francesca; Tabrizi, Mojgan Aghazadeh; Romagnoli, Romeo; Pavani, Maria Giovanna; Avitabile, Barbara; Preti, Delia; Bovero, Andrea; Nunez Carretero MC; Varani, Katia; Borea, Pier Andrea.

5. **8th International symposium on the chemistry and pharmacology of pyridazines, Ferrara, 12-15 Ottobre 2002.** Synthesis of 6-substituted 3(2H)-pyridazinones and 6-substituted 4,5-dhydro-4hydroxy-3(2H)-pyridazinones starting from 3,5-disubstituted 4,5-dihydroisoxazoles. Baraldi, Pier Giovanni; Pavani, Maria Giovanna; Fruttarolo, Francesca; Romagnoli, Romeo; Tabrizi, Mojgan Aghazadeh; Preti, Delia; Bovero, Andrea.

6. **XI meeting strutture eterocicliche nella ricerca farmaceutica, Palermo, 23-26 Maggio 2004.** New heterocyclic ligands for the adenosine receptors P1 and for the ATP receptors P2. Baraldi, Pier Giovanni; Tabrizi, Mojgan Aghazadeh; Preti, Delia; Bovero, Andrea; Romagnoli, Romeo; Fruttarolo, Francesca; Pavani, Maria Giovanna; Iaconinoto Antonietta; Abdel Zaid, Naser.

7. ***VI Jornadas Monogràficas de la Sociedad Espaňola de Quìmica Terapéutica,* Salamanca, 21-22 Ottobre 2004.** *Abstract:* "DNA Minor Groove Binders as Potential Antitumor Agents". Pier Giovanni Baraldi, Andrea Bovero, Francesca Fruttarolo, Delia Preti, Mojgan Aghazadeh Tabrizi, Antonietta Iaconinoto, Abdel Naser Zaid, Maria Giovanna Pavani, Romeo Romagnoli.

8. **9th Ibn Sina international conference on pure and applied chemistry, Sharm El-Sheikh, 11-14 Dicembre 2004.** New heterocyclic ligands for the adenosine receptors P1 and for the ATP receptors P2. Baraldi, Pier Giovanni; Tabrizi, Mojgan Aghazadeh; Preti, Delia; Bovero, Andrea; Romagnoli, Romeo; Fruttarolo, Francesca; Pavani, Maria Giovanna; Iaconinoto Antonietta; Abdel Zaid, Naser.

9. **8th international symposium on adenosine and adenine nucleotides, Ferrara, 24-28 Maggio 2006.** Recent developments in the field of A_{2B} and A_3 adenosine receptors antagonists. Pier Giovanni Baraldi, Delia Preti, Mojgan Aghazadeh Tabrizi, Francesca Fruttarolo, Romeo Romagnoli, Naser Abdel Zaid, Allan R. Moorman, Stefania Merighi, Katia Varani, and Pier Andrea Borea. **POSTERS**

10. **Design synthesis and biological evaluation of xanthine derivatives as new A_{2B} adenosine receptor**

antagonists. Baraldi, Pier Giovanni; Preti, Delia; Iaconinoto Maria Antonietta; Bovero, Andrea; Pavani, Maria Giovanna; Fruttarolo, Francesca; Tabrizi, Mojgan Aghazadeh; Romagnoli, Romeo. III Giornata della chimica dell'Emilia Romagna (SCI), Università di Modena e Reggio Emilia, 26 Novembre 2003.

11. **Design Synthesis and antiviral activity evaluation of 6-substituted pyrazolo[3,4-d]pyridazin-7-one nucleosides.** Baraldi, Pier Giovanni; Fruttarolo, Francesca; Pavani, Maria Giovanna; Romagnoli, Romeo; Tabrizi, Mojgan Aghazadeh; Preti, Delia; Bovero, Andrea. 8th International symposium on the chemistry and pharmacology of pyridazines, Ferrara, 12-15 Ottobre 2002.

12. **New Pyrrolo[2,1-*f*]purine-2,4-dione and Imidazo[2,1-*f*]purine-2,4-dione Derivatives as Potent and Selective Human A_3 Adenosine Receptor Antagonists** Pier Giovanni Baraldi, Delia Preti, Mojgan Aghazadeh Tabrizi, Francesca Fruttarolo, Romeo Romagnoli, Naser Abdel Zaid, Allan R. Moorman, Stefania Merighi, Katia Varani, and Pier Andrea Borea 8th international symposium on adenosine and adenine nucleotides, Ferrara, 24-28 Maggio 2006.

13. **New 2-Arylpyrazolo[4,3-*c*]quinoline Derivatives as Potent and Selective Human A_3 Adenosine Receptor Antagonists**. Pier Giovanni Baraldi, Mojgan Aghazadeh Tabrizi, Delia Preti, Andrea Bovero, Francesca Fruttarolo, Romeo Romagnoli, Naser Abdel Zaid, Allan R. Moorman, Katia Varani, and Pier Andrea Borea. 8th international symposium on adenosine and adenine nucleotides, Ferrara, 24-28 Maggio 2006.

14. **Synthesis and Biological Evaluation of New 8-Heterocyclic Xanthine Derivatives As Highly Potent and Selective Human A_{2B} Adenosine Receptor Antagonists.** Pier Giovanni Baraldi, Mojgan Aghazadeh Tabrizi, Delia Preti, Andrea Bovero, Romeo Romagnoli, Francesca Fruttarolo, Naser Abdel Zaid, Allan R. Moorman, Katia Varani, Stefania Gessi, Stefania Merighi, and Pier Andrea Borea. 8th international symposium on adenosine and adenine nucleotides, Ferrara, 24-28 Maggio 2006.

15. **Synthesis and biological evaluation of allosteric A_1-adenosine receptor modulators structurally related to (2-amino-4,5,6,7-tetrahydro-benzo[b]thiophen-3-yl)-(4-chloro-phenyl)-methanone, a potent compound useful to reduce neuropathic pain.** Romeo Romagnoli, Pier Giovanni Baraldi, Maria Giovanna Pavani, Delia Preti, Mojgan Aghazadeh Tabrizi, Francesca Fruttarolo, Maria Antonietta Iaconinoto, Maria Dora Carrion, Carlota Lopez Cara, John C. Shryock, Edward Leung, Allan R. Moorman, Stefania Gessi, Stefania Merighi, Katia Varani, Pier Andrea Borea. 8th international symposium on adenosine and adenine nucleotides, Ferrara, 24-28 Maggio 2006.

POSTERS

1. **Design synthesis and biological evaluation of xanthine derivatives as new A_{2B} adenosine receptor antagonists**. Baraldi, Pier Giovanni; Preti, Delia; Iaconinoto Maria Antonietta; Bovero, Andrea; Pavani, Maria Giovanna; Fruttarolo, Francesca; Tabrizi, Mojgan Aghazadeh; Romagnoli, Romeo. III Giornata della chimica dell'Emilia Romagna (SCI), Università di Modena e Reggio Emilia, 26 Novembre 2003.

2. **Design Synthesis and antiviral activity evaluation of 6-substituted pyrazolo[3,4-d]pyridazin-7-one nucleosides.** Baraldi, Pier Giovanni; Fruttarolo, Francesca; Pavani, Maria Giovanna; Romagnoli, Romeo; Tabrizi, Mojgan Aghazadeh; Preti, Delia; Bovero, Andrea. 8th International symposium on the chemistry and pharmacology of pyridazines, Ferrara, 12-15 Ottobre 2002.

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4. **New 2-Arylpyrazolo[4,3-*c*]quinoline Derivatives as Potent and Selective Human A_3 Adenosine Receptor Antagonists**. Pier Giovanni Baraldi, Mojgan Aghazadeh Tabrizi, Delia Preti, Andrea Bovero, Francesca Fruttarolo, Romeo Romagnoli, Naser Abdel Zaid, Allan R. Moorman, Katia Varani, and Pier Andrea Borea. 8th international symposium on adenosine and adenine nucleotides, Ferrara, 24-28 Maggio 2006.

5. **Synthesis and Biological Evaluation of New 8-Heterocyclic Xanthine Derivatives As Highly Potent and Selective Human A_{2B} Adenosine Receptor Antagonists.** Pier Giovanni Baraldi, Mojgan Aghazadeh Tabrizi, Delia Preti, Andrea Bovero, Romeo Romagnoli, Francesca Fruttarolo, Naser Abdel Zaid, Allan R. Moorman, Katia Varani, Stefania Gessi, Stefania Merighi, and Pier Andrea Borea. 8th international symposium on adenosine and adenine nucleotides, Ferrara, 24-28 Maggio 2006.

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"Autorizzo il trattamento dei dati personali contenuti nel presente curriculum ai sensi del Codice in materia di protezione dei dati personali (d.lgs 196/03)"