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Educational Background:

1. Pharm D. in pharmacy from Tehran University of Medical Sciences
2. PhD in Medicinal Chemistry from Tehran University of Medical Sciences

Position: Associate Professor of Medicinal Chemistry

Teaching Subjects:

1. Medicinal Chemistry
2. Organic Chemistry
3. Drug Design and Bioinformatics

Administration:

1. Head of Biotechnology Research Center of Mashhad University of Medical Sciences
2. Head of Mashhad University Publications

Research Interests:

Synthesis of novel dihydropyridine as calcium channel blocker

Synthesis of novel dihydropyridine carboxamides as antituberculosis

Synthesis of thermosensitive copolymers

Synthesis of protein kinase inhibitors as anticancer

Synthesis of novel celecoxib analogues as COX-2 inhibitors

Synthesis of novel dihydropyrimidine as MDR-reversing agents

Publications

- 1- Pourmorad, F., Hadizadeh, F., Azimi, M., Shafiee, A. (1997) Synthesis and calcium channel activity of 4- imidazolyl- 1,4- dihydropyridines. *Pharm. Sci.* 3, 165-168.
- 2- Shafiee, A., Hadizadeh, F., (1997) Synthesis of substituted pyrrolo [2,3-d] imidazoles. *J. Heterocyclic Chem.* 34, 549-550.
- 3- Khazan, M., Hadizadeh, F., Shafiee, A. (1997) Synthesis of 2-(1-methyl- 2- imidazolyl) quinolines. *J. Heterocyclic Chem.* 34, 1543-1547.
- 4- Shafiee, A., Hadizadeh F., (1997) Synthesis of substituted pyrrolo [2,3-d] imidazoles and substituted pyrrolo [3,2-d] imidazoles. *Indian J. Chem.* 36B, 813-815.
- 5- Ghanbarpour, A., Hadizadeh, F., Piri, F., Ranjbar, P.R. (1997) Synthesis, conformation analysis and antidepressant activity of moclobemide new analogues. *Pharm. Acta Helvetiae.* 72, 119-122.
- 6- Shafiee, A., Dehpour, A.R., Hadizadeh, F., Azimi, M. (1998) Synthesis and calcium channel antagonist activity of nifedipine analogues with methylsulfonyl- imidazolyl substituent. *Pharm. Acta Helvetiae,* 73, 75-79.
- 7- Shafiee, A., Akbarzadeh, T., Foroumadi, A., Hadizadeh, F., (1998) Synthesis of 4 and 5-alkylsulfonylimidazoles. *J. Heterocyclic Chem.* 35, 141-144.
- 8- Shafiee, A., Hadizadeh, F., Mahmoodian, M., Karimi L. (1998) Synthesis and angiotensin II antagonist activity of novel imidazolylacrylates. *Pharm. Communication.* 4, 535-538.
- 9- Shafiee, A., Dehpour, A. R., Hadizadeh, F., (2000) Synthesis and calcium channel antagonist activity of nifedipine analogues with chloroindolyl substituents. *Daru,* 8, 32-36.
- 10- Shafiee, A., Hadizadeh, F., Noori, S.B. (2000) Synthesis of 2- alkylthio- 1- [4- (N- a-ethoxycarbonylbenzyl) aminobenzyl] -5- hydroxymethylimidazoles. *J. Heterocyclic Chem.* 37, 1015-1018.
- 11- Hadizadeh, F., Moludi, M. (2000) Synthesis of 2-methyl-4(5)-nitroimidazole as an intermediate in metronidazole preparation. *IJBMS* 2(4), 215-217 (in Persian).
- 12- Hadizadeh, F., Karimi-Noghabi, M. (2001) Synthesis of novel benzylimidazolylhydantoins as antiepileptics. *IJBMS* 4(3), 170-174 (in Persian).
- 13- Hadizadeh, F., Tafti, F.I. (Apr 2002) Synthesis of substituted 2-(2-alkylthio-1-benzyl-5-imidazolyl)-1,3,4-oxadiazoles . *J. Heterocyclic Chem.* 39, 841-844.

- 14-Shafiee, A., Shahbazi-Mojarad, J., Jalili, M.A., Adhami, H. R., Hadizadeh, F. (Mar-Apr 2002), Syntheses of substituted pyrrolo[3,2-d]imidazole-5-carboxylates and substituted pyrrolo[3,2-d]imidazole-5-carboxylates. *J. Heterocyclic Chem* 39, 367-373.
- 15- Hadizadeh, F., Shafiee, A., Kazemi, R. (Winter 2002) Synthesis of 4-(1-benzyl-5-imidazolyl)-1,4-dihydropyridines. *Journal of Sciences, Islamic Republic of Iran*, 13(1), 29-33.
- 16- Hadizadeh, F., Shafiee, A., Kazemi, R., Mohammadi, M. (Dec 2002) Synthesis of 4-(1-phenylmethyl-5-imidazolyl)-1,4-dihydropyridines as calcium channel antagonists. *Indian J. Chem.* 41B, 2679-2682.
- 17- Hadizadeh, F., Hosseinzadeh, H., Kalantari, M., Kiasat, R. Mehrabi, M. (2003) Synthesis and anticonvulsant effects of 2-(2-alkylthio-1-benzyl-5-imidazolyl)-2,3,4-trihydro-1,3,4-thiadiazoles in mice. *IJBMS*, 6(2) 168-173 (in Persian).
18. Hadizadeh, F., Khalili, N., Hosseinzadeh, H, Khair-Aldine, R. (2003) Kaempferol from Saffron Petals, *Iranian J Pharmaceutical Research*, 2(4), 251-252
19. Hadizadeh, F., Mehrparvfar, A. (2004) Synthesis of Some New 1-[2-(alkylthio-1-benzyl-5-imidazolyl)carbonyl]-4-[3-(isopropyl amino) -2-pyridyl] piperazines as Anti-HIV. *Journal of Sciences, Islamic Republic of Iran*, 15(2), 131-134.
20. Badakhshannoory, S., Hadizadeh, F., Shafiee A. (2004) Assessment of human AT1 binding affinity of some novel 2-alkylthio -1-[4-(N- α -ethoxycarbonylbenzyl) aminobenzyl] -5-hydroxymethylimidazoles. *Daru* 12(1), 31-35.
21. Hadizadeh, F., Anaraki-Firooz, B.F. (2004) Taqvi, S.I.H. Effects of 2-alkylamino-substituted dihydropyridines on the rabbit jejunum. *Iranian J. Pharm. Sci.* 1(1), 25-28.
22. Hadizadeh, F., Anaraki-Firooz, B. F. Taqvi, S.I.H. (2005) Effects of 2-alkylamino-substituted dihydropyridines on the rabbit jejunum. *Medical Journal of The Islamic Republic of Iran*, 18, 361-364.
23. Hadizadeh, F., Ghodsi, R. (2005) Synthesis of Novel N-Substituted Imidazole carboxylic Acid Hydrazides as Monoamine Oxidase Inhibitors, *IL Farmaco*, 237-340.
24. Hadizadeh, F., Fatehi Hassanabad, M., Baghban-Golabadi, B., Mohammadi, M., Synthesis and Calcium Channel Antagonist Activity of 2-Dimethylamino / 4-Benzylimidazolyl Substituted Dihydropyridines. (2005) *Bol. Chim. Farm.* 144(3), 1-8.
25. Hadizadeh, F., Fatehi-Hassanabad, Z., Bamshad, M., Poorsoghat, H., Fatehi-Hassanabad, M. (2005) Synthesis and antihypertensive activity of new 1,4-dihydropyridines. *Indian J. Chem. section B*, 44 B(11), 2343-2347.
26. Hadizadeh, F., Mehri, N. (2006) synthesis of 9-[1-Benzyl-5-(alkylsulfonyl)-1H-2-imidazolyl]perhydro-1,8-acridinediones. *J. Heterocyclic Chem.* 43, 213-215.

27. Hadizadeh F., Mahdavi M., Seify M. Nasirli H., Emami, S. A., Hassanzadeh M.K.(2007) Evaluation of ISO Method in Saffron Qualification in: Proceedings of the second international symposium on saffron biology and technology, Acta Hort, Number 739, p405
28. Hadizadeh, F., Moradi, A., Naghibi, G., Vojdani, M., Behravan, J., Ramezani, M.(2007) Synthesis and antitumor activity of substituted succinamides using a potato disc tumor induction assay. *International J. Biom. Sci.* 3(1), 60-64.
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31. Hadizadeh, F., Fatehi-hassanabad, Z., Fatehi-Hassanabad, M., Beheshtizadeh, A., Nabati, F. (2007) Synthesis and antihypertensive activity of novel 4-[1-(4-X-benzyl)-5-imidazolyl] dihydropyridines in rat. *Research in Pharmaceutical Sciences*, 2: 87-93.
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41. Ebrahimzadeh, M.A., Hadizadehh, F., Hosseinzadeh, H., Hajipour, M., Nabavi, S. M. (2009) Antioxidant and antidepressant activity of four novel bupropion analogues. Pharmacologyonline 2, 317-322.
42. Hadizadeh, F., Jaafari, M. R., Samiei, A., Mostafavirad, A., Mohammadian, E. (2009) Synthesis and In Vitro Leishmanicidal Effects of conformationally Restricted Analogues of Pentamidine, Iranian Journal of Pharmaceutical Research. 8 (4): 257-262.
43. Hadizadeh, F., Imenshahidi, M., Esmaili, P., Taghiabadi, M. (2009) Synthesis and Effects of Novel Dihydropyridines as Dual Calcium Channel Blocker and Angiotensin Antagonist on Isolated Rat Aorta. Iranian J. Basic Medical Sciences. Vol. 13, No.1, Winter 2010, 195-201.
44. Hadizadeh, F./Mohajeri, S.A., Seifi, M. (2010) Extraction and purification of crocin from saffron stigmas employing a simple and efficient crystallization method. Pakistanian J. Biol. sciences 13(14) 691-698.
45. Mohammad Reza Saberi, Farzin Hadizadeh, Mohsen Imenshahidi, Hadi Shakeri, Seyedeh Toktam Ziaee, Mohammad Ali Ghafari, Ramin Sakhtianchi, Zohreh Badiyan, Somieh Hajian (2010) Synthesis and Effects of 4,5-Diaryl-2-(2-alkylthio-5-imidazolyl) imidazoles as Selective Cyclooxygenase Inhibitors Iranian J. Basic Medical Sciences. Vol. 13, No 4, Autumn 2010, 225-231.
46. Mohsen Imenshahidi, Farzin Hadizadeh and Asieh Firoozeh-Moghadam, Mahmoud Seifi. Synthesis and vasorelaxation properties of 9-aryl- 1,8-acridinediones as potassium channel openers in isolated rat aorta Accepted for publication in Iranian Journal of Pharmaceutical Research

Conference Presentations

- 1- Shafiee, A., Hadizadeh, F., Zarghi, A. (1997) Synthesis of fused imidazoles. 7th Asian Chemical Congress Abstracts, Hiroshima.

- 2- Hadizadeh, F., Ghanbarpour, A.(1995) Synthesis and antidepressant activity of a series of benzamides. 15th International Congress of Heterocyclic Chemistry Abstracts, Taipei.
- 3- Nazemian, L., Hadizadeh, F., (2000) Synthesis of 2- phenylglycine in different methods. 7th Iranian Seminar of Pharmaceutical Sciences, Mashhad, Iran.
- 4- Kiasat, R., Hadizadeh, F., shafiee, A. (2000) Synthesis of benzylimidazolylthiadiazole derivatives as benzodiazepine receptor ligand. 7th Iranian Seminar of Pharmaceutical Sciences, Mashhad, Iran.
- 5- Hadizadeh, F., Kazemi, R. (1999) Synthesis of nifedipine analogues with arylmethyl substituent. Proceedings of 7th Iranian Organic Chemistry Conference, Tehran, Iran.
- 6- Tafti, F. I., Hadizadeh, F., Shafiee, A. (2000) Synthesis of benzylimidazolylloxadiazole derivatives as benzodiazepine receptor ligand. 7th Iranian Seminar of Pharmaceutical Sciences, Mashhad, Iran.
- 7- Kalantari, M., Hadizadeh, F., (2001) Design and synthesis of 2-(arylamino-carbonylamino)-5-(1-benzyl-5-imidazolyl)-1,3,4-thiadiazole derivatives. 1st Seminar of Methodology in Pharmaceutical Sciences, Mashhad, Iran.
- 8- Hadizadeh, F., Mohammadi, M. (2001) Synthesis of novel 2-(aminoalkyl) dihydropyridines. 1st Seminar of Methodology in Pharmaceutical Sciences, Mashhad, Iran.
- 9- Hadizadeh, F., Karimi, M. (2001) Synthesis of novel benzy imidazolylhydantoins. 1st Seminar of Methodology in Pharmaceutical Sciences, Mashhad, Iran.
- 10- Khalili, N., Hadizadeh, F., Hosseinzadeh, H., Khairaldine, R. (2001) Separation, identification, quantification and determination of acute toxicity of anthocyanins of *Crocus Sativus* petals. 1st Seminar of Methodology in Pharmaceutical Sciences, Mashhad, Iran.
- 11- Hadizadeh, F., Moludi, M. (2001) Synthesis of 2-methyl-4(5)-nitroimidazole intermediate in metronidazole preparation. 1st Seminar of Methodology in Pharmaceutical Sciences, Mashhad, Iran.
- 12- Hadizadeh, F., Fatehi-Hassanabad, M., Baghban-Golabadi, B., Mohammadi, M. (2002) Synthesis and calcium channel antagonist activity of 2-imidazolyl-substituted dihydropyridines. British Pharmaceutical Conference, Manchester, September 23rd-25th. Published in *J. Pharmacy & Pharmacology* September Supplement, England
- 13- Hadizadeh, F., Khalili, N., Hossenzadeh, H., Khair-Aldine, R. (2003) Kaempferol from Saffron Petals, 16th Iranian Congress of Physiology and Pharmacology Abstract book, Tarbiat Modarres University, Tehran, Iran.
- 14- Hadizadeh, F., Mehrparvar, A. (2003) Synthesis and anti-HIV activity of some new 1-[2-(alkylthio-1-benzyl-5-imidazolyl)carbonyl]-4-[3-(isopropylamino)-2-pyridyl]

piperazines British Pharmaceutical Conference, Harrogate, September 15th –17th Published in J. Pharmacy & Pharmacology September Supplement, England.

15- Hadizadeh, F., Fatehi-Hassanabad, M., Bamshad, M., Poorsoghat, H., Anaraki-Firooz, B.F. (2004) Synthesis and antihypertensive activity evaluation of novel 2-imidazolyl-substituted dihydropyridines, Pharmaceutical Sciences World Conference, Kyoto, Japan, May 29-June 3.

16- Hadizadeh, F., Ghodsi, R. (2004) Synthesis of Novel N-Substituted Imidazolecarboxylic Acid Hydrazides as Monoamine Oxidase Inhibitors, 9th Iranian Seminar of Pharmaceutical Sciences, Tabriz, Iran, 23-26 August.

17. Hadizadeh F. , Fatehi M., Zandieh M., Anaraki-Firooz B. F. (2004) Synthesis and effects of four novel dihydropyridines on rat atrium and colon smooth muscle, British Pharmaceutical Conference, Manchester, England, 27-29 September.

18- Hadizadeh, F., Seifi , M., Mahdavi , M., Khashayarmanesh , Z., Akhavan , H., Ziiai, T. and Emami, S. A. (2004) Separation and Quantification of Safranal and Crocin from Saffron, HENP, Mashhad, Iran, 25-28 September.

19- Kazemian, H., Hadizadeh F., Sadeghi, F., Esmail-Nazari, Z. (2004) A zeolite based formulation of leukeran tablets: Synthesis, characterization and drug release evaluation, The 4th International Postgraduate Research Symposium on Pharmaceutics (IPORSIP), Istanbul –Turkey, September 20-22,

20. Hadizadeh, F., Mehri, N. (2005) Synthesis of novel 9-(2-alkylthio-1-benzyl-5-imidazolyl)hexahydro-1,8-acridinedione as potassium channel modulators, 11th Seminar of Organic Chemistry, Isfahan, February 1-3.

21. Hadizadeh, F., Tayarani, Z. (2005) Synthesis of novel bis(1-benzyl-2-alkylthio-5-imidazolylcarbonyl) ethylenediamine, 1st Seminar of Medicinal Chemistry and Natural Products (MNPC), Shiraz, May 10-11.

22. Saber-Farimani, E., Hadizadeh, F. (2005) Synthesis of novel Leflunomide analogues as antirheumatic agents, 1st Seminar of Medicinal Chemistry and Natural Products, Shiraz, May 10-11.

23. Hadizadeh, F., Kazemi, S., Saberi, M. R., Firoozeh-Moghadam, S. , Sahranavard, M. (2005) Synthesis of novel imidazolyl analogues of Moclobemide as monoamine oxidase inhibitors, Poster 054, British Pharmaceutical Conference, Manchester, England, 27-29 September.

24. Hadizadeh, F., Mostafavi, A. (2006) Synthesis of conformationally restricted analogues of pentamidine as antileishmanial agents, IUPHAR, Beijing

25. Hadizadeh F. , Moradi A. , Naghibi G., Vojdani M., Ramezani M.(2006) Synthesis and antitumor activities of novel succinamic acid derivatives by potato disc assay, IPSC, Tehran, Iran, 21-24 August.
26. Hadizadeh F., Mahdavi M., Seify M. Nasirli H., Emami, S. A., Hassanzadeh M.K.(2006) Evaluation of ISO method in saffron qualification, Second International Symposium on Saffron Biology and Technology, Mashhad, Iran, 28-30 October .
27. Tafaghodi, M., Farahmand, F., Hadizadeh, F. (2007) Determination of fluorescent tetanus toxoid in microsphere and liposome drug delivery systems by spectrofluorimetry method. 3rd Iranian conference of novel drug delivery systems, Tehran, Iran, 21-22 June
- 28 Hadizadeh, F. , Mohammadpour, F. (2007) VIRTUAL SCREENING OF HIV PROTEASE AGAINST THE NCI DIVERSITY SET, The First International Congress on Health Genomics and Biotechnology November 24-26, – Tehran, Iran
- 29.Hadizadeh, F. (2008) Computer -aided Drug Design ,WMCM, Mashhad
30. Hadizadeh, F., Kazemian, H., Nazari, Z. E. , Seifi, M. , Sadeghi, F. (2008) A Zeolite-based formulation of leukeran tablets: synthesis, characterization and drug release evaluation, Iran International Zeolite Conference, April 29 - May1, 2008, Tehran -Iran
31. Hadizadeh F., Imenshahidi M., Mihanparast P., Mohammadpour F., Seifi M. (2008) Effects of novel 4-(1-benzyl-5-imidazolyl)-1,4-dihydropyridines on rat intestinal ileum smooth muscle contractions. IPSC2008, Iran-Kerman
32. Hadizadeh F., Fatehi-Hassanabad M., Fatehi-Hassanabad Z., Zandieh, M. (2008) Effects of 4-(2-alkylthio-1-benzyl-5-imidazolyl)-dihydropyridines on the isolated rat colon and right atrium contractility. 41st Annual Conference of Indian Pharmacology Society and International Conference on Translational Pharmacology (IPS2008), Dec 18-20, New Delhi - India
33. Hadizadeh, F., Seifi, M. (2009) An efficient method for separation . International Symposium on Saffron a Herbal Medicine of 3rd Millennium. 13-14 May, Mashhad, Iran.
- 34.Hadizadeh, F., Malaekheh-Nikouei, B., Seyed Mohammadi, S.R., Seifi, M. (2009) Synthesis of PEGylated Fatty Acids as Solid Lipid Nanoparticle (SLN) Carrier for Targeted Lipospheres. The specialized congress of Nanomedicine, Nanobiotechnology, Nanobiosensors and nanomaterials, Summer, Mashhad , Iran
35. Hadizadeh,F. Khodaverdi, E., Jalali, A., Seifi, M., (2009) Preparation of thermosensitive PLGA-PEG-PLGA Tri-Block Copolymers as Controlled Drug Delivery systems. ICRC, Zangan, Iran
36. Hadizadeh, F., Jaafarpour, M. (2009) Quantitative structure activity relationship of 4-imidazolyl 1,4-dihydropyridines. 2nd congress of mathematics optional control in medicine. Mashhad, Iran

37. Hadizadeh, F., Khodaverdi, E., Honaramandi-Shandiz, R. (2010) Synthetic Zeolites for drug delivery. 2nd Iran International Zeolite Conference, April 29-30, Tehran, Iran
38. Hadizadeh.F , Entezari-Heravi.R , Behravan.J , seifi.M. (2010) Synthesis of four new analogues of 4,5-diaryl-imidazolyl-imidazole as selective COX-II inhibitors and anticancer, Iranian Pharmaceutical Sciences Conference (IPSC) August 2-5 , Zanjan, Iran
39. Badiyan, Z., Hadizadeh,F.(2010) Searching for novel cyclooxygenase II inhibitors by virtual screening and evaluating their inhibitory effects on cyclooxygenase II activity. Iranian Pharmaceutical Sciences Conference (IPSC) August 2-5 , Zanjan, Iran
40. Hadizadeh, F., Khodaverdi, E., Tafaghodi, M., Beizai, S. (2011) Preparation insulin nanospheres from thermosensitive PLGA-PEG-PLGA Polymer . 1st nanodrugs congress, Ahwaz, Esfand 89