Curriculum Vitae

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Personal Information

Name: Mehrdad Mohamadpour Dehkordi

Date OF Birth: 21/SEP/1986 (SHAHREKORD)

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Educations

*PharmD, School of Pharmacy, Isfahan University of Medical Sciences (2005-2012).
*Military Service, (2012-2014).
*PhD, Medicinal Chemistry, School of Pharmacy, Isfahan University of Medical Sciences (2015-2021).

Qualifications

A member of the Student Research Committee of Pharmacy School of Isfahan University of Medical Sciences (2008-2012).

Awards and Honors

The Youngest Researcher Award of Pharmacy School of Isfahan University of Medical Sciences, 2010 and 2011

Publications

1- Razieh Sabet, Mehrdad Mohammadpour, Amir Sadeghi, Afshin Fassihi. QSAR study of isatin analogues as in vitro anti-cancer agents. European Journal of Medicinal Chemistry, 2010;45:1113–1118.

2- Karim Mahnam, Amir Sadeghi, Mehrdad Mohammadpour, Afshin Fassihi. Theoretical studies of 1, 4 dihydropyridine 3, 5-dicarboxamides as possible inhibitors of Mycobacterium tuberculosis enoyl reductase. Monaschefte fur chemie. 2012;(1):121-127.

3- Mehrdad Mohammadpour, Mohaddeseh Behjati, Amir Sadeghi, Afshin Fassihi. Wound healing by topical application of antioxidant iron chelators: kojic acid and deferiprone. International wound Journal. 2013:10(3) 260–264.

4- Mohaddeseh Behjati, Ibrahim Torktaz, Mehrdad Mohammadpour, Gholamreza Ahmadian, Andrew J Easton. Comparative modeling of CCRL1, a key protein in masked immune diseases and virtual screening for finding inhibitor of this protein. Bioinformation. 2012;8(7):336–340.

5- Mehrdad Mohammadpour , Amir Sadeghi, Afshin Fassihi, Lotfollah Saghaie, Ahmad Movahedian Attar, Mahboubeh Rostami. Synthesis and antioxidant evaluation of some novel ortho-hydroxypyridine-4-one iron chelators. Research in Pharmaceutical Sciences. 2012; 7(3): 171-179.

6- Krzysztof K Zborowski, Mehrdad Mohammadpour , Amir Sadeghi, Leonard M. Proniewicz. Theoretical study on the molecular tautomerism of the 3-hydroxy-pyridin- 4-one system. Molecular Physics 2013;111(8):958-967.

7- Mehrdad Mohammadpour, Krzysztof K. Zborowski , S. Heidarpoor, Grzegorz Zuchowski, Leonard M. Proniewicz. Modeling of stability and properties ofanionic and cationic tautomers of the 3 hydroxypyridin-4-one System. Computational and Theoretical Chemistry 2016;(1078):96-103.

8- Mohaddeseh Behjati, Afshin Fassihi, Mehrdad Mohammadpour Dehkordi, Mahtab Keshvari. Cardioprotection Potential of Some Hydroxypyridine Iron Chelators Against H_2O_2-Induced H9C2 Cell Injury. Turkiye Klinikleri J Cardiovasc Sci 2017 29(1) 6-10.

9- Mohamad Reza Nazifi, Mohammad H Asgharshamsi, Mehrdad M Dehkordi, Krzysztof Zborowski, Antioxidant Properties of Aloe vera Components: a DFT Theoretical Evaluation. Free Radical Research, Volume 53, 2019 - Issue 8- online.

10- Afshin Fassihi, Farshid Hasanzadeh, Ahmad Movahedian Attar, Lotfalah Saghaie, Mehrdad Mohammadpour. Synthesis and evaluation of antioxidant activity of some novel hydroxypyridinone derivatives: a DFT approach for explanation of their radical scavenging activity. Research in Pharmaceutical Sciences, 2020;15(6);515-528.

11- Afshin Fassihi, Mehrdad Mohammadpour Dehkordi, Mohamad H Asgarshamsi. A comparative DFT study on the antioxidant activity of some novel 3-hydroxypyridine- 4-one derivatives. Free Radical Research, 2021, Accepted.

PharmD Theses:

Synthesis and antioxidant evaluation of novel Schiff base derivatives of 3-hydroxy-4- pyridinone containing hydrazone and oxime moiety at C-6 position of the pyridinone ring.

Supervised by: Prof. Lotfollah Saghaie, Prof. Afshin Fassihi, Prof. Ahmad Movahedian attar

PhD Theses:

Synthesis and evaluation of acetylcholine esterase and antioxidant effects of new 3-Hydroxy pyridyn-4-one derivatives as anti-Alzheimer agents by using docking and molecular dynamic simulations.

Supervised by: Prof. Afshin Fassihi, Prof. Ahmad Movahedian attar, Prof. Farshid Hasanzadeh, Prof. Lotfollah Saghaie

Congress Presentation

13th Congress of Iranian Pharmaceutical Sciences, Isfahan, Iran, SEP 2012. [Poster presentation], Wound healing by topical application of antioxidant iron chealators: Kojic acid and Deferiprone.

Skills

Computational pharmaceutical chemistry and drug design, QSAR, 3D-QSAR, Docking, Pharmacophore modeling and virtual screening, Molecular dynamic simulation (Amber and Gromacs software), Quantum chemistry (DFT studies and Gaussian software).