

Dr. Nafiseh Karimi

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Current Position at PSRC/SBMU:

Health Researcher in Medicinal Chemistry.

Academic Background:

Ph.D.: Medicinal Chemistry, 2015-2021
School of Pharmacy, Shahid Beheshti University of Medical Sciences (SBMU), Tehran, Iran

M.Sc.: Organic Chemistry, 2009-2011
Department of Chemistry, Sharif University of Technology, Tehran, Iran

B.Sc.: Chemistry, 2004-2008
Department of Chemistry, Kharazmi University of Technology, Karaj, Iran

Research Experience:

2021- present Health Researcher in Medicinal Chemistry,
Pharmaceutical Sciences Research Center, SBMU, Tehran, Iran

2011- 2014 Research Assistant (RA)
Department of Chemistry, Sharif University of Technology, Tehran, Iran

Skills:

Drug Design and Development

Publications:

1. Hajimahdi, Z., Zarghi, A., Zebardast, T., Mostafavi, N., Sharifi, S., **Karimi, N.**, & Vahabpour Roudsari, R. (2022). Design, Synthesis and Docking studies of New Quinazolinone Derivatives as Anti-HIV-1 Agents. *Iranian Journal of Pharmaceutical Sciences*, 18(1), 55-64.

2. **Karimi, N.**, Roudsari, R. V., Hajimahdi, Z., & Zarghi, A. (2022). Design, Synthesis, and Docking Studies of Thioimidazolyl Diketoacid Derivatives Targeting HIV-1 Integrase. *Medicinal Chemistry*, 18(5), 616-628.
3. **Karimi, N.**, Mahboubi-Rabbani, M., Dastjerdi, H. F., Nematpour, M., Rezaee, E., & Tabatabai, S. A. (2022). The ultrasound-assisted synthesis of some novel fused-ring heterocyclic systems bearing structurally diverse benzazoles via a copper-catalyzed cross-coupling reaction. *Monatshefte für Chemie-Chemical Monthly*, 153(3), 267-275.
4. Nematpour, M., **Karimi, N.**, & Mahboubi-Rabbani, M. (2022). Copper-Catalyzed Ultrasonic-Promoted Coupling of Acetylene Analogs, Dialkyl azo dicarboxylate, and Benzazoles to Assemble Tricyclic Fused-Ring [1, 2, 3] triazolo [3, 4-b][1, 3] benzazole Analogs. *Letters in Organic Chemistry*, 19(1), 2-8.
5. **Karimi, N.**, Roudsari, R. V., Movahed, M. A., Hajimahdi, Z., & Zarghi, A. (2021). 4-(1-Benzyl-1H-benzo [d] imidazol-2-yl)-4-oxo-2-butenoic Acid Derivatives: Design, Synthesis and Anti-HIV-1 Activity. *Iranian journal of pharmaceutical research: IJPR*, 20(1), 408.
6. Rajabi, F., **Karimi, N.**, Luque, R., & Voskressensky, L. (2021). Highly ordered mesoporous functionalized pyridinium protic ionic liquid framework as a highly efficient catalytic system in chemoselective thioacetalization of carbonyl compounds under solvent-free conditions. *Molecular Catalysis*, 515, 111919.
7. Halimehjani, A. Z., **Karimi, N.**, & Saidi, M. R. (2013). Michael Addition Reaction of Anthrone to Nitroolefins in Water. *Synthetic Communications*, 43(5), 744-748.
8. Rajabi, F., **Karimi, N.**, Saidi, M. R., Primo, A., Varma, R. S., & Luque, R. (2012). Unprecedented selective oxidation of styrene derivatives using a supported iron oxide nanocatalyst in aqueous medium. *Advanced Synthesis & Catalysis*, 354(9), 1707-1711.
9. Fatemeh Rajabia, **Nafiseh Karimi**, Mohammad Reza Saidi, Ana Primo, Rajender S. Varmad, Rafael Luqued. (2012). Oxidation of styrene to aldehydes with Fe₂O₃ NP/SBA-15 in water. *SYNFACTS*, 8 (9),0001.