



Sedative, Analgesic and Ultrasound-Mediated Gastrointestinal Nano Drugs Delivery for Gastrointestinal Endoscopic Procedure, Nano Drug-Induced Gastrointestinal Disorders and Nano Drug Treatment of Gastric Acidity

Alireza Heidari*

Keywords

Sedative; Analgesic; Nano Drugs; Gastrointestinal Endoscopy

Editorial

Sedative, analgesic and ultrasound-mediated gastrointestinal Nano drugs are important Nano medicines for gastrointestinal endoscopic procedure, Nano drug-induced gastrointestinal disorders and Nano drug treatment of gastric acidity under synchrotron radiation. Research on modifying steroid structure for achieving to new agents with better cardiovascular protection and less carcinogenic effects is now one of the new therapeutic strategies [1-5]. As a continuation of our programmed concerning in research on new steroid derivatives for studying effect of substitutions on therapeutic properties we are reporting synthesis, pharmacokinetics, pharmacodynamics, dosing, stability, safety and efficacy of new sedative, analgesic and ultrasound-mediated gastrointestinal Nano drugs delivery for gastrointestinal endoscopic procedure, Nano drug-induced gastrointestinal disorders and Nano drug treatment of gastric acidity under synchrotron radiation in here [6-11]. Structurally, modified new steroids can be further developed toward the new cardio protective therapeutics. All Nano compounds were characterized by ¹HNMR, ¹³CNMR, ³¹PNMR, Attenuated Total Reflectance Fourier Transform Infrared (ATR-FTIR), FT-Raman, UV-Vis and HR Mass spectroscopies.

The growth of organic synthesis, pharmacokinetics, pharmacodynamics, dosing, stability, safety and efficacy depends on the discovery of novel and practical organic reactions. In our group, we are interested to search for new organic reactions by understanding the mechanisms of the unexpected by products/abnormal products obtained from organic reactions for synthesis, pharmacokinetics,

pharmacodynamics, dosing, stability, safety and efficacy of Nitrogen-containing Nano compounds in solid state and solution, novel chiral conducting sedative, analgesic and ultrasound-mediated gastrointestinal Nano drugs delivery for gastrointestinal endoscopic procedure, Nano drug-induced gastrointestinal disorders and Nano drug treatment of gastric acidity under synchrotron radiation and also to study conformational energy barriers of intermolecular motions by dynamic ¹HNMR, ¹³CNMR, ³¹PNMR, Attenuated Total Reflectance Fourier Transform Infrared (ATR-FTIR), FT-Raman, UV-Vis and HR Mass spectroscopies and computational methods. The two most important aspects of Nitrogen-containing Nano compounds have been the stereo-regio-selectivity of their synthesis, pharmacokinetics, pharmacodynamics, dosing, stability, safety, efficacy and the conformational energy barrier.

Both aspects have made very important contributions to the physical, biological, medical, medicinal, clinical, pharmaceutical and/or chemical properties. The efforts to understand and theoretically quantify rotational barriers have enriched our understanding about the molecular electronic structure of nanomolecules. It is well known that biological, medical, medicinal, clinical, pharmaceutical and/or chemical properties correlate strongly with the molecular structure and conformational properties of these Nano compounds. These important bioactive properties are of great importance to improve our understanding of their biological, medical, medicinal, clinical, pharmaceutical and/or chemical activities and to enhance abilities to predict new Nano drugs. Furthermore, conformational isomers that can take place within nanomolecules by only rotation about covalent, usually single or partial double, act as artificial molecular machines such as molecular switches, chemical rotors, molecular propellers, molecular gears and molecular turnstiles (armature). Sedative, analgesic and ultrasound-mediated gastrointestinal Nano drugs delivery for gastrointestinal endoscopic procedure, Nano drug-induced gastrointestinal disorders and Nano drug treatment of gastric acidity under synchrotron radiation are of particular interest due to their usefulness in various industries such as in agrochemicals industry, pharmaceuticals industry, polymer industry and so on.

In recent years, there has been increased interest in synthesizing chiral conducting sedative, analgesic and ultrasound-mediated gastrointestinal Nano drugs delivery for gastrointestinal endoscopic procedure, Nano drug-induced gastrointestinal disorders and Nano drug treatment of gastric acidity under synchrotron radiation mainly because of their potential applications in diverse areas such as biological, medical, medicinal, clinical, pharmaceutical and/or chemical sensors, asymmetric electrochemical synthesis, pharmacokinetics, pharmacodynamics, dosing, stability, safety, efficacy and chiral stationary phase for enantioselective High Performance Liquid Chromatography (HPLC) separation, electrodes for enantioselective recognition or capable of performing bio-electro-synthesis, pharmacokinetics, pharmacodynamics, dosing, stability, safety and efficacy, membrane separation technology and microwave absorbents. In this editorial, we intend to review synthesis, pharmacokinetics, pharmacodynamics, dosing, stability, safety and efficacy of sedative, analgesic and ultrasound-mediated gastrointestinal Nano drugs delivery for gastrointestinal endoscopic procedure, Nano drug-induced gastrointestinal disorders and Nano

*Corresponding author: Alireza Heidari, Faculty of Chemistry, California South University, 14731 Comet St. Irvine, CA 92604, USA, Tel: +1-775-410-4974; E-mail: Scholar.Researcher.Scientist@gmail.com

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drug treatment of gastric acidity under synchrotron radiation and study of their intramolecular motions and finally semiempirical, *ab initio* and DFT calculations at HF, PM3, MM2, MM3, AM1, MP2, MP3, MP4, CCSD, CCSD(T), LDA, BVWN, BLYP and B3LYP methods using 31G, 6-31G*, 6-31+G*, 6-31G(3df, 3pd), 6-311G, 6-311G* and 6-311+G* basis sets of the Gaussian 09 on the molecular structure and stability of C-/N- and P-substituted phosphallenes and phosphazallenes.

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Author Affiliations

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Faculty of Chemistry, California South University, 14731 Comet St. Irvine, CA 92604, USA

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