

Erratum

IN SILICO STUDIES ON NEW INDAZOLE DERIVATIVES AS GSK-3 β INHIBITORS

NAMACHIVAYAM BALAKRISHNAN¹, JOSEPH SANTHANA RAJ*¹, NARESH KANDAKATLA²

¹Department of Chemistry, St. Joseph's College, Tiruchirappalli, Tamilnadu, India, ²Department of Chemistry, Sathayabama University, Jeppiaar Nagar, Chennai, India
Email: kjsanathanaraj.chem@gmail.com

Ref: [tp:// www.ijppsjournal.com/Vol7Issue3/4464.pdf](http://www.ijppsjournal.com/Vol7Issue3/4464.pdf)

ABSTRACT

Objective: *In silico* studies were conducted on newly proposed Indazole derivatives as GSK-3 β inhibitors to select the best possible drug candidates based on drug properties and bioactivity score of the compounds.

Methods: 31 Indazole derivatives and active GSK-3 β Indazole inhibitor 3-(5-chloro-1-methyl-indol-3-yl)-4-[1-[3-(triazol-1-yl)propyl]indazol-3-yl]pyrrole-2,5-dione (IC₅₀ of 0.003 μ M) were subjected to predict the mutagenic, tumorigenic, irritant, reproductive risks, and drug-relevant properties using OSIRIS Property Explorer. Further bioactivity scores were determined using Molinspiration online tools.

Results: The results of new GSK-3 β inhibitors were compared with potent GSK-3 β Indazole inhibitor to examine the prospective of the optimized compounds. The best possible drug candidates were reported after comprehensive analysis on predicted cLogP, solubility, molecular weight, topological molecular polar surface area (TPSA), drug-likeness, drug score properties and bioactivity score for different human targets like GPCR, ion channel, kinase, nuclear receptor, protease and enzymes.

Conclusion: Five compounds 282, 141, 161, 108 and 456 were reported as the best drug like candidates for GSK-3 β regulation.

Keywords: Physicochemical properties, GSK-3 β , Bioactivity score, Indazole.

During the publication of research paper entitled as "IN SILICO STUDIES ON NEW INDAZOLE DERIVATIVES AS GSK-3 β INHIBITORS" published in *IJPPS 4464, Vol 7, Issue 3, 2015*. The reference numbers in the reference section have been changed but the corresponding citation numbers have not been changed in the text (INTRODUCTION and MATERIALS AND METHOD section). Hence, the citation numbers need to be readjusted.

The following corrections need to be done in the page number 295 and 296 as follows.

In Page Number 295

The citation [14] should be changed to [11]

The citation [19] should be changed to [16]

The citation [15] should be changed to [12]

The citation [6] should be changed to [5]

The citation [12] should be changed to [9]

The citation [15] should be changed to [12]

The citation [5] should be changed to [10]

The citation [8] should be changed to [6]

In Page Number 296

The citation [17] should be changed to [13, 14]

The citation [10] should be changed to [7]

The citation [6] should be changed to [5]

The citation [11, 18] should be changed to [8, 15]

The citation [12] should be changed to [9]

The citation [13] should be changed to [10]

The citation [19] should be changed to [16]