This Design, "Synthesis, Docking, ADMET and Anticancer Evaluations of N-Alkyl Substituted Iodoquinazoline Derivatives as Dual VEGFR-2 and EGFR Inhibitors

Marwa Alsulaimany¹, Khaled El-Adl^{2,3,*}, Ahmed K. B. Aljohani⁴, Hussam Y. Alharbi⁵, Omar M. Alatawi⁶, Majed S. Aljohani⁵, Ahmed El-morsy⁷, Sara A. Almadani⁸, Abdulrahman A. Alsimaree⁹, Samir A. Salama¹⁰, Doaa E. Keshek^{11,12}, and Abeer A. Mohamed^{3,13}

- ¹College of Pharmacy, Department of Pharmacognosy & Pharmaceutical Chemistry, Taibah University, Medina, 42353, Saudi Arabia
- ²Pharmaceutical Medicinal Chemistry and Drug Design Department, Faculty of Pharmacy (Boys), Al-Azhar University, Nasr City 11884, Cairo, Egypt
- ³Chemistry Department, Faculty of Pharmacy, Heliopolis University for Sustainable Development, Cairo, Egypt
- ⁴Pharmacognosy and Pharmaceutical Chemistry Department, College of Pharmacy, Taibah University, Al-Madinah Al-Munawarah 41477, Saudi Arabia
- ⁵Department of Chemistry, Faculty of Science, Taibah University, Yanbu, Saudi Arabia
- ⁶Department of Chemistry, Faculty of Science, University of Tabuk, Tabuk, 47512, Saudi Arabia
- ⁷Pharmaceutical Chemistry Department, College of Pharmacy, The Islamic University, Najaf, Iraq
- ⁸Department of Pharmacology and Toxicology, College of Pharmacy, Taibah University, Medina 42353, Saudi Arabia
- ⁹Department of Basic Science (Chemistry), College of Science and Humanities, Shaqra University, Afif, Saudi Arabia
- ¹⁰ Division of Biochemistry, Department of Pharmacology, College of Pharmacy, Taif University, P.O. Box 11099, Taif 21944, Kingdom of Saudi Arabia.
- ¹¹Department of biology, Jumum College University, Umm Al-Qura University, P.O Box7388, Makkah 21955, Sudia Arabia
- ¹²Agriculture Genetic Engineering Research Institute (AGERI), Agriculture Research Centre, Giza, Egypt
- ¹³Egyptian Drug Authority (EDA) 51 Wezaret El-Zeraa St, Dokki, Giza, A. R. Egypt

Corresponding Author:

Khaled El-Adl, eladlkhaled74@yahoo.com; eladlkhaled74@azhar.edu.eg; khaled.eladl@hu.edu.eg























































































