Accepted Manuscript

Sulfonamides containing curcumin scaffold: Synthesis, characterization, carbonic anhydrase inhibition and molecular docking studies

Mahmood Ahmed, Muhammad Abdul Qadir, Abdul Hameed, Muhammad Nadeem Arshad, Abdullah M. Asiri, Muhammad Muddassar

PII: S0045-2068(17)30434-0

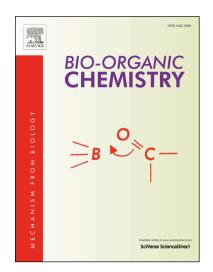
DOI: https://doi.org/10.1016/j.bioorg.2017.11.015

Reference: YBIOO 2175

To appear in: Bioorganic Chemistry

Received Date: 6 June 2017 Revised Date: 8 November 2017

Accepted Date: 17 November 2017



Please cite this article as: M. Ahmed, M. Abdul Qadir, A. Hameed, M. Nadeem Arshad, A.M. Asiri, M. Muddassar, Sulfonamides containing curcumin scaffold: Synthesis, characterization, carbonic anhydrase inhibition and molecular docking studies, *Bioorganic Chemistry* (2017), doi: https://doi.org/10.1016/j.bioorg.2017.11.015

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Sulfonamides containing curcumin scaffold: Synthesis, characterization, carbonic anhydrase inhibition and molecular docking studies

Mahmood Ahmed ^{a*}, Muhammad Abdul Qadir ^a, Abdul Hameed ^b,
Muhammad Nadeem Arshad ^{c,d}, Abdullah M. Asiri ^{c,d}, Muhammad Muddassar ^{e**},

^aInstitute of Chemistry, University of the Punjab, Lahore, Pakistan 54590

^b H. E. J. Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi, Karachi-75270, Pakistan

^cChemistry Department, Faculty of Science, King Abdulaziz University, Jeddah 21589, Saudi Arabia.

^d Center of Excellence for Advanced Materials Research (CEAMR), Faculty of Science, King Abdulaziz University, Jeddah 21589, Saudi Arabia.

^e Department of Biosciences, COMSATS Institute of Information Technology, Park Road, Islamabad-Pakistan

Running title: Curcumin derivatives as carbonic anhydrase inhibitors

To whom correspondence should be addressed

Mahmood Ahmed
mahmoodresearchscholar@gmail.com,
Muhammad Muddassar
mmuddassar@comsats.edu.pk

Download English Version:

https://daneshyari.com/en/article/7771670

Download Persian Version:

https://daneshyari.com/article/7771670

<u>Daneshyari.com</u>