

# Accepted Manuscript

Design, synthesis and biological evaluation of novel pyridine-thiazolidinone derivatives as anticancer agents: Targeting human carbonic anhydrase IX

Fawad Ansari, Danish Idrees, Md Imtaiyaz Hassan, Kamal Ahmad, Fernando Vecilla, Amir Azam



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## Design, synthesis and biological evaluation of novel pyridine-thiazolidinone derivatives as anticancer agents: Targeting human carbonic anhydrase IX

Fawad Ansari<sup>1</sup>, Danish Idrees<sup>2</sup>, Md. Imtaiyaz Hassan<sup>2</sup>, Kamal Ahmad<sup>2</sup>, Fernando Avecilla<sup>3</sup>, Amir Azam<sup>1,\*</sup>

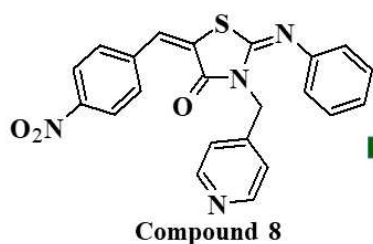
<sup>1</sup>Department of Chemistry, Jamia Millia Islamia, Jamia Nagar, 110 025, New Delhi, India

<sup>2</sup>Centre for Interdisciplinary Research in Basic Science, Jamia Nagar, 110 025, New Delhi, India

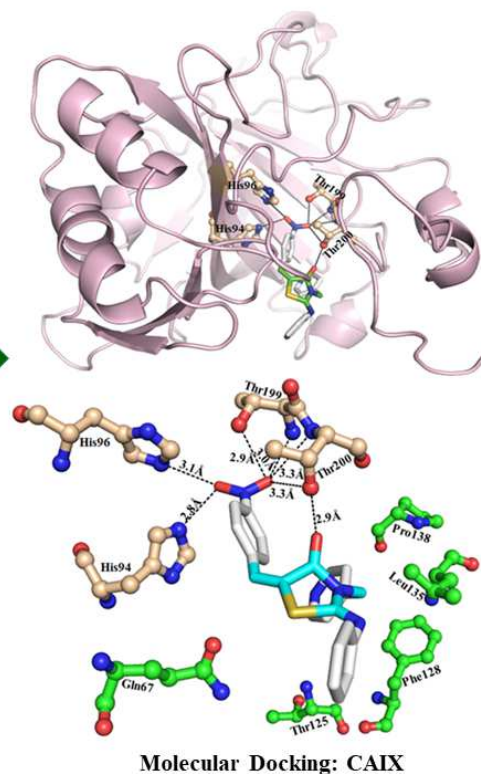
<sup>3</sup>Grupo Xenomar, Centro de Investigaci3n Científicas Avanzadas (CICA), Departamento de Química, Facultade de Ciencias, Universidade da Coruña, Campus de A Coruña, 15071 A Coruña, Spain\*

Corresponding author. Tel.: +91 11 2698 1717/3253;

fax: +91 11 2698 0229/1232. E-mail address: amir\_sumbul@yahoo.co.in (A. Azam)



**Esterase assay IC<sub>50</sub> (μM)**  
CAIX; 1.61  
CAII; 11.21  
**Fluorescence binding study**  
**IC<sub>50</sub> (μM); 1.21**  
**Cytotoxicity IC<sub>50</sub> (μM)**  
HEK293; 249.6 ± 0.83  
MCF7; 13.0 ± 2.28; SI: 13.2  
HepG2; 18.9 ± 1.34, SI: 19.2



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