

# **Bisphosphonate Inhibition of Phosphoglycerate Kinase: A Quantitative Structure Activity Relationship and Pharmacophore Modeling Investigation**

*Evangelia Kotsikorou<sup>†</sup>, Gurmukh Sahota<sup>#</sup> and Eric Oldfield<sup>†, #, \*</sup>*

<sup>†</sup>Department of Chemistry, University of Illinois at Urbana-Champaign, 600 South  
Mathews Avenue, Urbana, Illinois 61801, USA

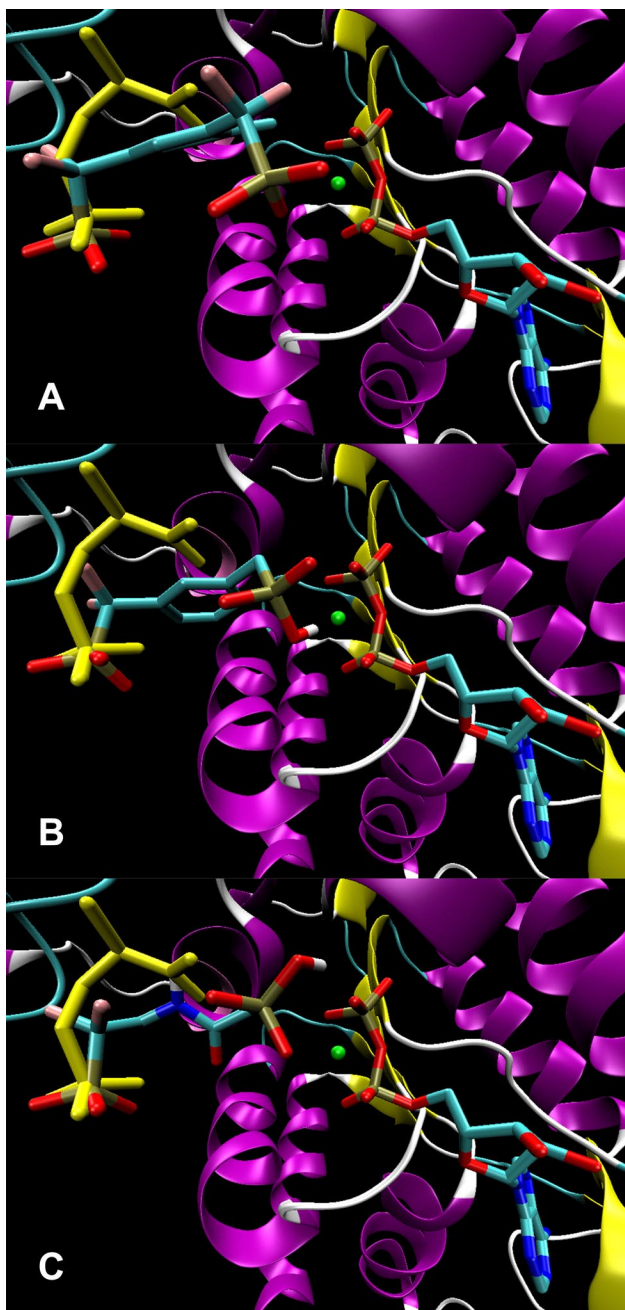
<sup>#</sup>Center for Biophysics and Computational Biology, University of Illinois at Urbana-  
Champaign, 607 South Mathews Avenue, Urbana, Illinois 61801, USA

## **Supporting Information**

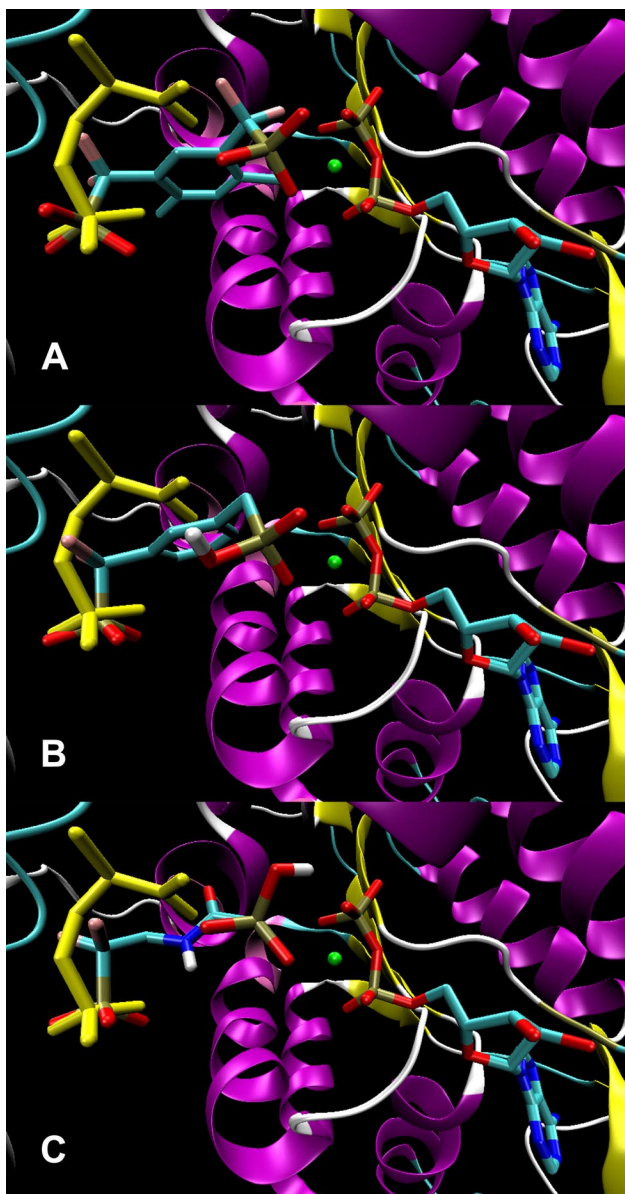
### **Table of Contents**

Figure S1.....	S2
Figure S2.....	S3
Figure S3.....	S4

**Figure S1.** Docked poses of: **A**, **1**; **B**, **13** and **C**, **38** bound to a homology model of *H. sapiens* PGK.



**Figure S2.** Docked poses of: **A**, **1**; **B**, **13** and **C**, **38** bound to a homology model of *S. cerevisiae* PGK.



**Figure S3.** **A, B**, CoMSIA fields (Alignment I) and **C, D**, Pharmacophore models (Alignment I) superimposed on *T. brucei* PGK

