


## Kinetic Barrier Manipulation in DHFR Inhibition

In our recent study, "**Kinetic Barrier to Enzyme Inhibition Is Manipulated by Dynamical Coupling between Distal Residues**," we investigated how interactions between distant amino acids in dihydrofolate reductase (DHFR) influence the enzyme's inhibition kinetics.

Our findings reveal that these **distal interactions can modulate the kinetic barriers to enzyme inhibition**, providing deeper insights into the dynamic mechanisms of DHFR function. This research enhances our understanding of **enzyme dynamics** and could inform the development of more effective DHFR inhibitors, potentially leading to improved therapeutic strategies against diseases where DHFR is a key target.

 Read more: [DOI Link](#)

#EnzymeDynamics #DHFR #KineticBarrier #DrugDevelopment #Biochemistry #Research