

Supporting Information

Biochemical Characterization and Inhibitor Discovery for *Pf*Sir2A – New Tricks for An Old Enzyme

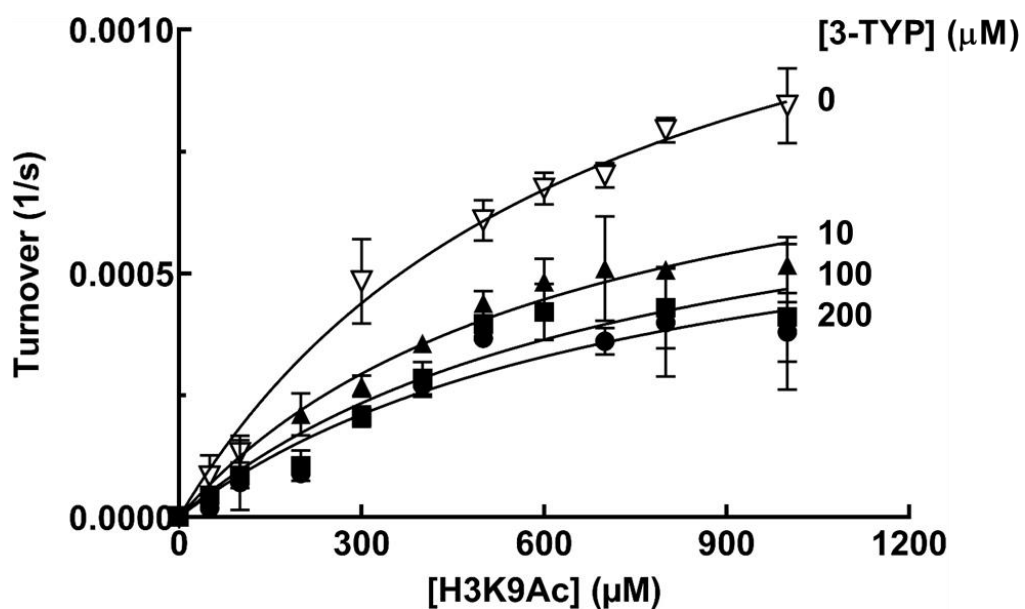
Dickson Donu[‡], Emily Boyle[‡], Alyson Curry[‡], Yana Cen^{‡,#,*}

[‡]*Department of Medicinal Chemistry, Virginia Commonwealth University, Richmond, VA 23219*

[#]*Center for Drug Discovery, Virginia Commonwealth University, Richmond, VA 23219*

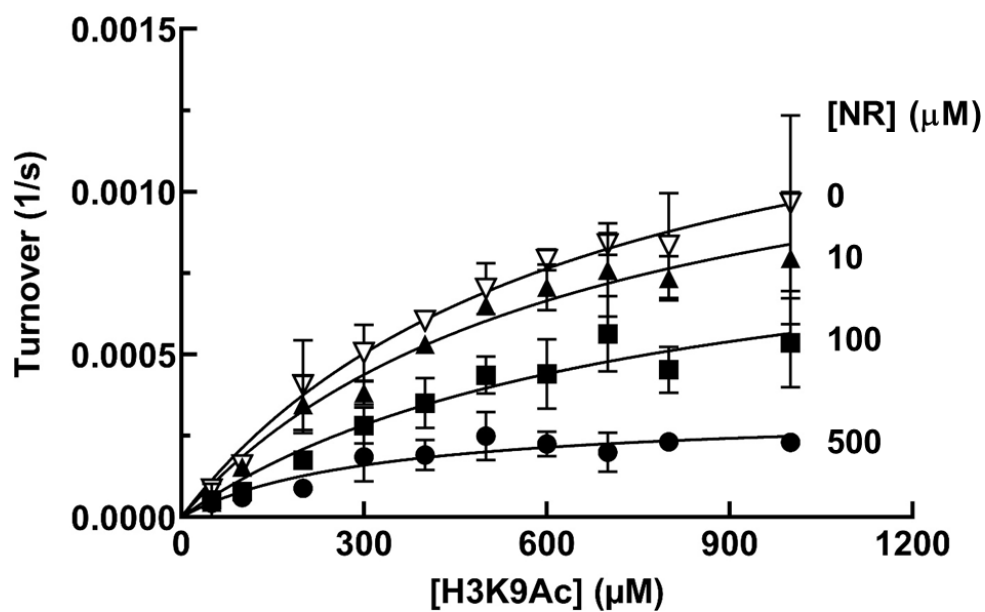
*Correspondence: ceny2@vcu.edu, phone: 804-828-7405

Figure S1. Michealis-Menten kinetic analysis of 3-TYP inhibition.



The mode of inhibition analysis of 3-TYP was performed as described in “Methods and Materials”. With increasing concentrations of 3-TYP, the K_m value remains roughly unchanged, while the V_{max} is significantly reduced.

Figure S2. Michealis-Menten kinetic analysis of NR inhibition.



The mode of inhibition analysis of NR was performed as described in “Methods and Materials”. Increasing NR concentration leads to markedly decreased V_{max} , but negligible changes to the K_m .