Supporting Information for

Discovery and Optimization of Inhibitors for the Pup Proteasome System in *Mycobacterium tuberculosis*

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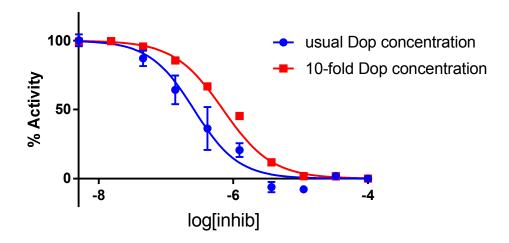
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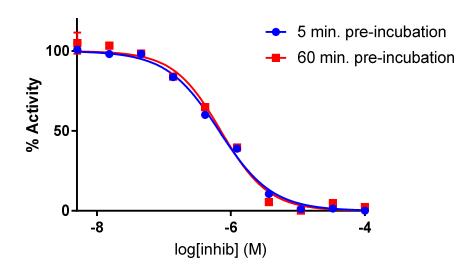
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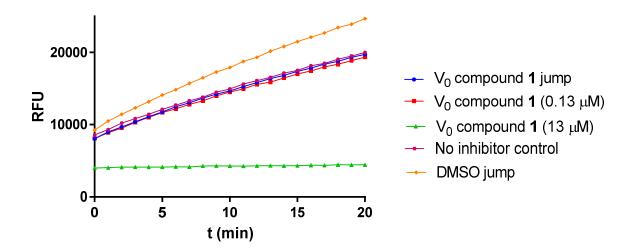
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Supplementary Figure 1. IC₅₀ curves for the 'ratio test'. IC₅₀ value normal Dop concentration = $0.26\pm0.06~\mu\text{M}$; IC₅₀ value 10-fold Dop concentration = $0.70\pm0.03~\mu\text{M}$. The reported values are the means of one experiment \pm SD run in triplicate. Because the deviation between the values for the 10-fold Dop concentration were very small, the error bars are not omitted.



Supplementary Figure 2. IC₅₀ curves of compound **1** with 5 and 60 minutes inhibitor/enzyme preincubation. IC₅₀ value for 5 min preincubation = $0.47\pm0.05~\mu\text{M}$; IC₅₀ value for 60 min preincubation = $0.71\pm0.08~\mu\text{M}$. The reported values are the means of one experiment \pm SD run in triplicate.



Supplementary Figure 3. Reaction curves for the jump dilution experiment with compound **1**. RFU = relative fluorescence units. [Dop] before jump dilution = 100 nM; [Dop] after jump dilution = 10 nM.