

Supporting Information for:

Bacterial self-resistance to the natural proteasome inhibitor salinosporamide A

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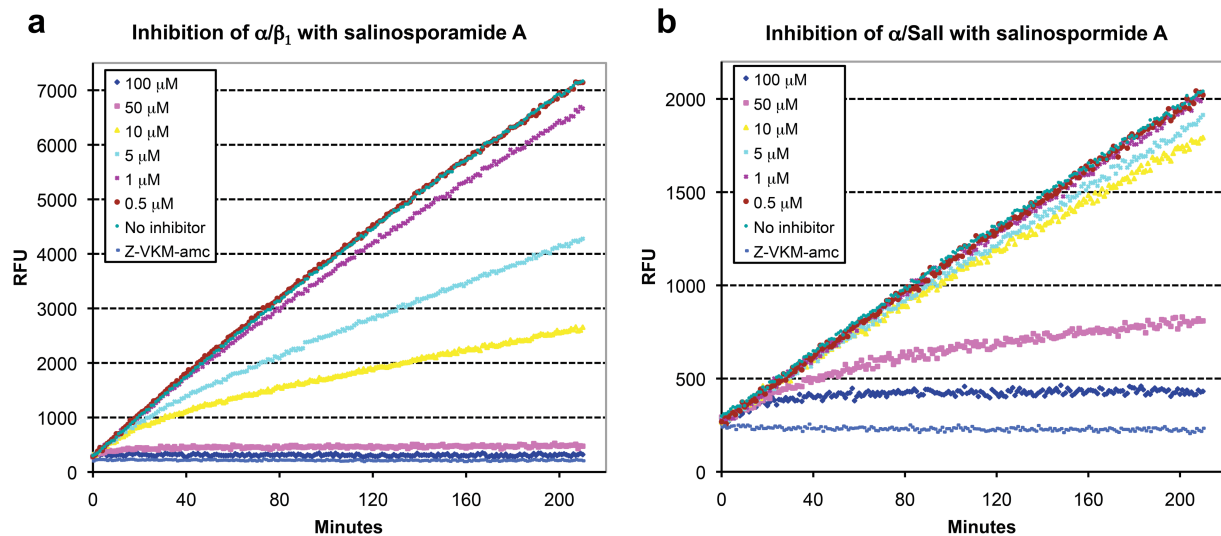
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SUPPLEMENTAL FIGURES



Supplementary Figure 1. Time-dependence of salinosporamide A inhibition on the a) α/β_1 and b) $\alpha/Sall$ complexes. Various concentrations of salinosporamide A were premixed with fluorogenic Z-VKM-amc substrate. Proteasome complex was then added at $20 \mu\text{g ml}^{-1}$ and substrate hydrolysis was measured once per minute. RFU = Relative fluorescence units. Salinosporamide A is spontaneously hydrolyzed in aqueous buffer with an estimated half-life of 20–30 minutes at pH 8.0 (1).

SUPPLEMENTAL REFERENCES

1. Denora, N., Potts, B. C. M., and Stella, V. J. (2007) A mechanistic and kinetic study of the β -lactone hydrolysis of salinosporamide A (NPI-0052), a novel proteasome inhibitor, *J. Pharm. Sci.* 96, 2037–2047.