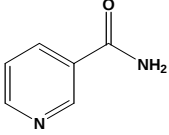
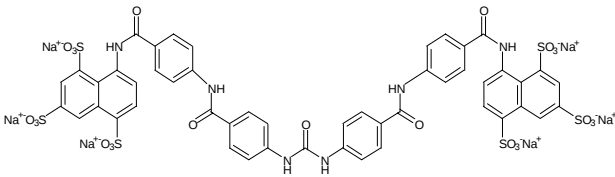
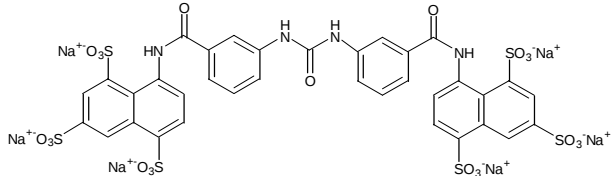
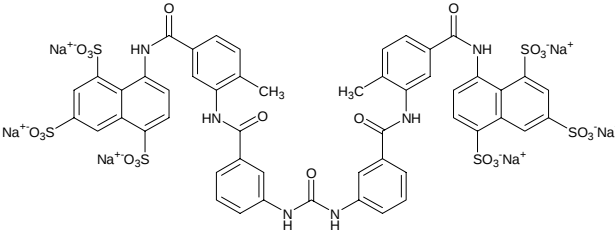


Supplementary Table 7. Comparison of Several SIRT1 Inhibitors (100 μ M).

Compound	Ratio to Control Rate Mean $\pm$ SE	Replicates	Structure & Activities
Nicotinamide	0.428 $\pm$ 0.019	42	 Sirtuin Reaction Product/Inhibitor
NF279	0.0035 $\pm$ 0.0011	3	 Purinergic Receptor Antagonist
NF023	-0.0016 $\pm$ 0.0015	3	 G-protein Antagonist
Suramin	-0.0002 $\pm$ 0.0010	3	 G-protein Antagonist, Reverse Transcriptase Inhibitor

Abbreviation: SE, Standard error of the mean. Rate measurements with 25 μ M NAD⁺ and 25 μ M p53-382 acetylated peptide substrate were performed as described in Methods. All ratio data were calculated from experiments in which the total deacetylation in the control reaction was 0.25-1.25 μ M peptide or 1-5% of the initial concentration of acetylated peptide.