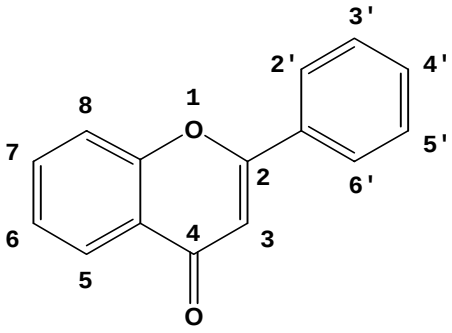
Supplementary Table 3. Effects of Flavones (100 µM) on SIRT1 Rate (Part II).

Compound	Ratio to Control Rate Mean ± SE	Replicates	Structure Skeleton
7,8,3',4'-Tetrahydroxyflavone	1.91 ± 0.39	6	
3,6,2',3'-Tetrahydroxyflavone	1.74 ± 0.27	6	
4'-Hydroxyflavone	1.73 ± 0.12	6	
5,4'-Dihydroxyflavone	1.56 ± 0.15	6	
5,7-Dihydroxyflavone	1.51 ± 0.18	6	
Morin (3,5,7,2',4'-Pentahydroxyflavone)	1.461 ± 0.071	6	
Flavone	1.41 ± 0.23	6	
5-Hydroxyflavone	1.22 ± 0.19	6	
Myricetin (Cannabiscetin; 3,5,7,3',4',5'-Hexahydroxyflavone)	0.898 ± 0.070	12	
3,7,3',4',5'-Pentahydroxyflavone	0.826 ± 0.074	12	
Gossypetin (3,5,7,8,3',4'-Hexahydroxyflavone)	0.723 ± 0.062	6	



FLAVONES

Abbreviation: SE, Standard error of the mean. Rate measurements with 25 µM NAD^+ and 25 µM 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 µM peptide or 1-5% of the initial concentration of acetylated peptide.