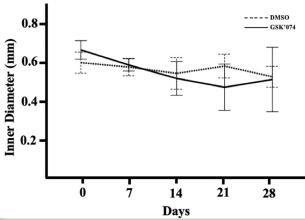


**Supplementary Fig 1.** Representative axial ultrasound images of dimethylsulfoxide (*DMSO*) and GSK2593074A (*GSK'074*)-treated mice 7 days after aneurysm induction.



**Supplementary Fig 2.** Internal aortic diameter measured from ultrasound images over the course of the study period. There were no differences in internal diameter between the GSK2593074A (GSK'074) and dimethylsulf-oxide (DMSO)-treated groups. Data are presented as mean  $\pm$  standard error. Two-way analysis of variance with a post hoc Tukey's test was performed.