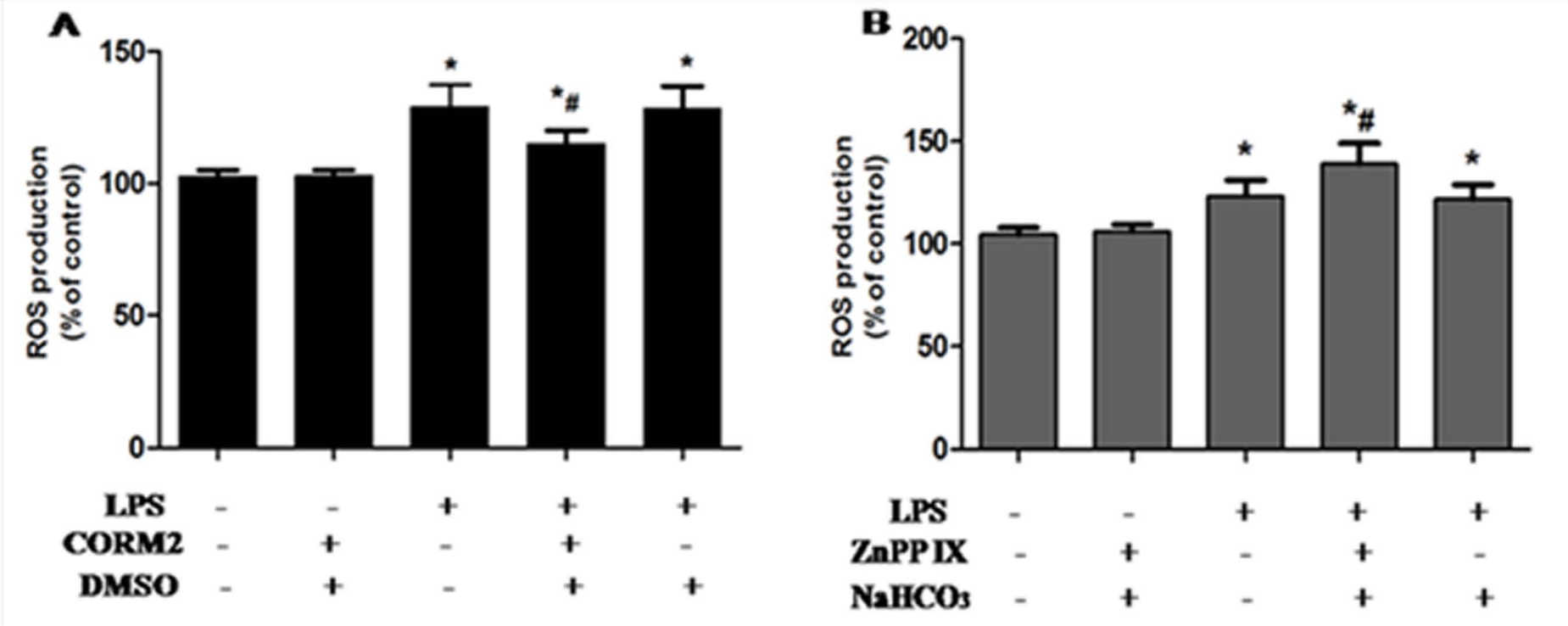
Supplementary Digital Content 1



Effects of CORM2 and ZnPP alone pretreatment on ROS production (A, B). RAW264.7 cells were pretreated with 100 μM CORM2 for 1 h or 10 μM ZnPP for 0.5 h, and then stimulated with 1 μg/ml LPS for 24 h. Note that pretreatment with CORM2, as a carbon monoxide-releasing molecule, protected macrophages against LPS-derived ROS over-production. On the contrary, preprocessing with ZnPP, the HO-1 inhibitor, reversed the above favorable effects and resulted in increased ROS levels in LPS-stimulated cells. Meanwhile, there were no significant effects of CORM2 or ZnPP alone on the production of ROS. Respectively, the vehicles, DMSO or sodium bicarbonate proved to make no sense. Values represented mean ± SD from five individual samples using one-way ANOVA and the Bonferroni test for multiple comparisons. Significance compared with control cells, *, $P < 0.05$; significance compared with LPS-exposed cells, #, $P < 0.05$.