

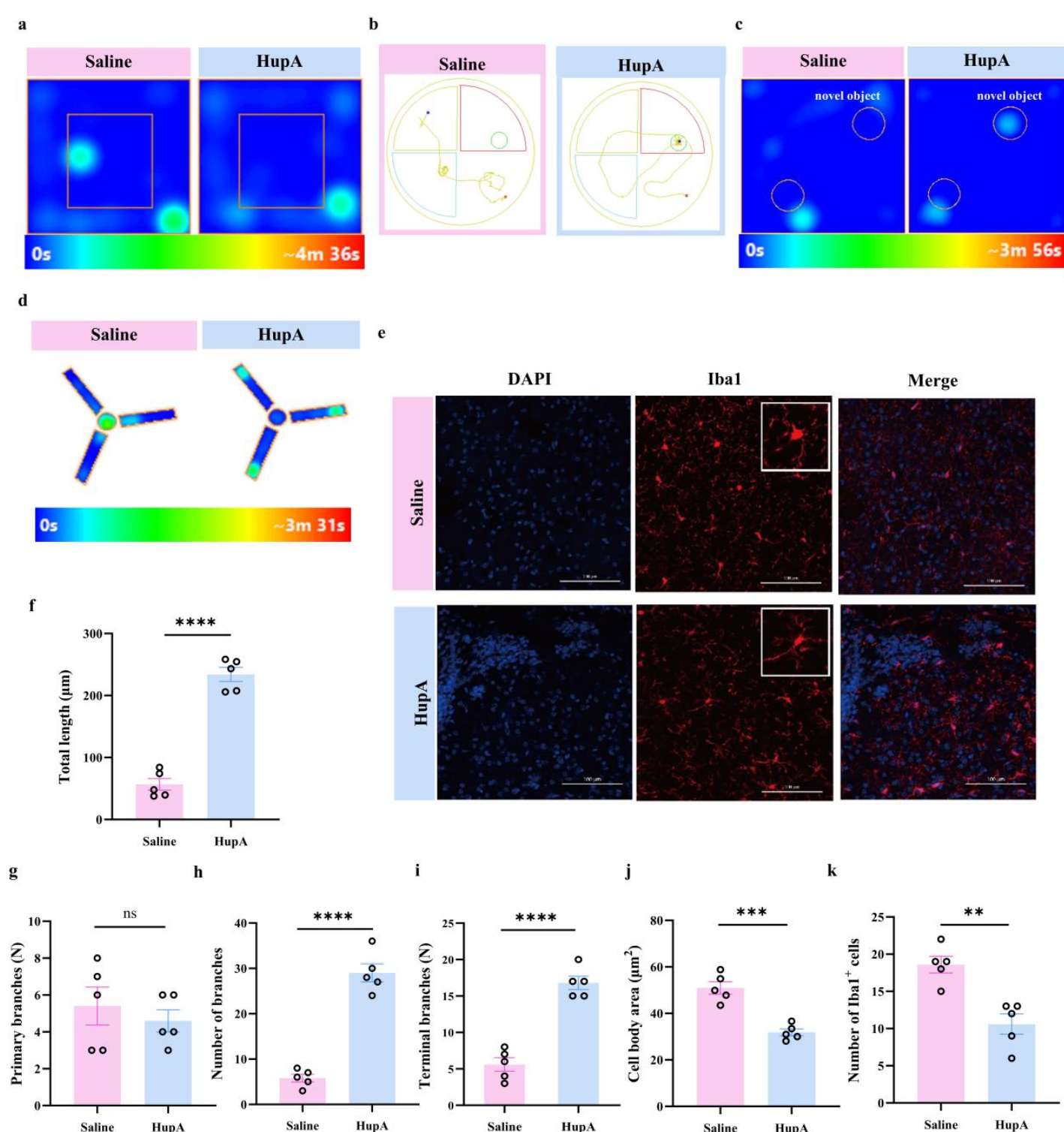


Fig. S2 HupA treatment alleviates BCCAO-induced excessive microglial activation and neuroinflammation.

(a) Representative heatmaps for saline and HupA treated mice in the open field test (OFT). HupA, Huperzine A. (b) Representative water maze track plots. (c) Representative heatmaps showing the tracks in the novel object recognition test (NORT). (d) Representative Y-maze test heatmaps. (e) Representative Ionized calcium-binding adapter molecule 1 (Iba1) immunofluorescence images of Saline and HupA groups. Scale bar = 100 μm. (f) Quantification of the number of terminal branches of microglia ($n = 5$). (g) Quantification of the number of primary branches of microglia ($n = 5$). (h) Quantification of the total number of branches of microglia ($n = 5$). (i) Quantification of total branch length of microglia ($n = 5$). (j) Quantification of cell body area of Iba1-positive cells ($n = 5$). (k) Quantification of microglia cell body area ($n = 5$). Data are expressed as mean±SEM; ** $P < 0.01$, *** $P < 0.001$, **** $P < 0.0001$; two-tailed unpaired Student's t-test (f-k).