Title: Roflumilast ameliorates Isoflurane-induced inflammation in astrocytes via the CREB/BDNF signaling pathway

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Supplementary Figure 1. Identification of astrocytes. Cells were identified using immunocytochemical staining of GFAP.
Supplementary Figure 2. Knockdown of CREB abolished the effects of Roflumilast. Cells were transduced with the lentiviral CREB shRNA, followed by stimulation with Roflumilast (10 μM). (A). Western blot analysis revealed successful knockdown of CREB; (B-C). mRNA of BDNF and secretion of BDNF were measured (####, P<0.0001 vs. vehicle group; $$$, P<0.001 vs. Roflumilast group).