Fig. S1. The BA-induced LIF expression was not inhibited by inhibitors of several known signaling pathways. Ishikawa cells were treated with BA (50 µM), SP600125 (20 µM), LY294002 (15 µM), SB203080 (10 µM), U0126 (5 µM), BAY-11-7082 (5 µM), or both. After cultivation for 24 h, total proteins were extracted and the expressions of LIF were examined by Western blot analysis. The expression of GAPDH was used for internal control.

Fig. S2. BA does not affect p53 expression. The Ishikawa cells were treated with BA (50 µM). The expression level of p53 was measured by western blot analysis. The densitometric intensities of 3 independent western blots were presented as fold of control (Mean ± SD). ns means no significant difference between two groups.

Fig. S3. The female mice were treated with BA (2.5 mg/kg/day). After experiments, blood from each mouse was collected from retro-orbital plexus. To examine the toxicity of BA on liver and kidney of mice, biochemical analysis was performed.