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3 **Supplementary figure legends**
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6 **Supplementary Fig. 1C** – Western blotting showed changes in biochemical markers of
7 neuronal differentiation and cell proliferation. Treatments: control, 0.5 μ M 4-HPR for 72
8 h, 25 μ M GST for 24 h, and 0.5 μ M 4-HPR for 48 h (pretreatment) + 25 μ M GST for 24 h.
9 The OD value of the band in each control treatment was designated as 100. The
10 change in level of expression was shown in a treatment relative to control. (a) Mean
11 values (with SEM) show changes in the levels of expression of N-Myc, Notch-1, Hes-1,
12 Id2, Fibronectin, hTERT, and PCNA. (b) Mean values (with SEM) show changes in the
13 levels of expression of e-cadherin. Data presented here were obtained from three
14 independent experiments.
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24 **Supplementary Fig. 3A** – Flow cytometric analysis of cell cycle. Treatments: control,
25 0.5 μ M 4-HPR for 72 h, 25 μ M GST for 24 h, and 0.5 μ M 4-HPR for 48 h (pretreatment)
26 + 25 μ M GST for 24 h. The bar graphs show the differential distribution of cell
27 populations in the G0/G1 (a), G2/M (b), S (c), and sub G1 (d) phases. Data presented
28 here were obtained from three independent experiments.
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35 **Supplementary Fig. 3B** – Western blotting to examine changes in cytosolic levels of
36 molecular markers associated with cell cycle arrest at G1/S phase. Treatments: control,
37 0.5 μ M 4-HPR for 72 h, 25 μ M GST for 24 h, and 0.5 μ M 4-HPR for 48 h (pretreatment)
38 + 25 μ M GST for 24 h. The OD value of the band in each control treatment was
39 designated as 100. The change in level of expression was shown in a treatment
40 relative to control. (a) Mean values (with SEM) show changes in the levels of
41 expression of acetylated p53 (Ac-p53), p53, CDK2, Rb, pRB, E2F1, MAD2, and survivin.
42 (b) Mean values (with SEM) show changes in the levels of expression of p21. Data
43 presented here were obtained from three independent experiments.
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53 **Supplementary Fig. 5** – Western blotting to examine the changes in levels of
54 angiogenic, invasive, and survival factors. Treatments: control, 0.5 μ M 4-HPR for 72 h,
55 25 μ M GST for 24 h, and 0.5 μ M 4-HPR for 48 h (pretreatment) + 25 μ M GST for 24 h.
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3 The OD value of the band in each control treatment was designated as 100. The
4 change in level of expression was shown in a treatment relative to control. Mean values
5 (with SEM) show changes in the levels of expression of PTEN, VEGF, b-FGF, EGFR,
6 MMP-2, MMP-9, p-Akt, NF-κB, and Erk 1/2 in SH-SY5Y cells (a) and SK-N-BE2 cells
7 (b). Data presented here were obtained from three independent experiments.
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13 **Supplementary Fig. 6** – Western blotting to examine the molecular components of the
14 extrinsic and intrinsic pathways of apoptosis. Treatments: control, 0.5 μM 4-HPR for 72
15 h, 25 μM GST for 24 h, and 0.5 μM 4-HPR for 48 h (pretreatment) + 25 μM GST for 24 h.
16 The OD value of the band in each control treatment was designated as 100. The
17 change in level of expression was shown in a treatment relative to control. (a) Mean
18 values (with SEM) show changes in the levels of expression of active caspase-8, tBid,
19 Bax, Bcl-2, active caspase-3, and ICAD fragment. (b) The bar graphs show the
20 changes in Bx:Bcl-2 ratio. Data presented here were obtained from three independent
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