Supporting Information

Neuroprotective Effect of Demethylsuberosin, a Proteasome Activator, against MPP⁺-induced Cell Death in Human Neuroblastoma SH-SY5Y Cells

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Fig. 1S HPLC profile and spectroscopic data of demethylsuberosin.

White amorphous solid; $^1$H NMR (CDCl$_3$, 500 MHz) $\delta$H 1.80 (3H, s, H-5’), 1.84 (3H, s, H-4’), 3.39 (2H, d, $J = 7.5$ Hz, H-1’), 5.31 (1H, t, $J = 7.5$ Hz, H-2’), 6.24 (1H, d, $J = 9.5$ Hz, H-3), 6.82 (1H, s, H-8), 7.20 (1H, s, H-5), 7.62 (1H, d, $J = 9.5$ Hz, H-4); ESIMS (negative) $m/z$ 229 [M - H]; ESIMS (positive) $m/z$ 231 [M + H]$^+$
**Fig. 2S** The neuroprotective effect of demethylsubersoin against MPP⁺-induced cell death.

(A) Control. (B) SH-SY5Y cells exposed to 2.0 mM MPP⁺ for 48 h. (C) SH-SY5Y cells exposed to 2.0 mM MPP⁺ and 20 μM demethylsuberosin for 48 h. A phase contrast microscope (Olympus CPX41) was used for detecting images (×100 magnification)