

Supplementary information

Table S1. 17 β -Estradiol plasma levels at different time points (pg/mL)

Treatment	Day 0 ^a (before ovx)	Day 7 (The day of SCI)	Day 14	Day 21	Day 28	Day 35
Estradiol benzoate	17.7 \pm 2.1	85.5 \pm 8.5	87.3 \pm 6.7	83.1 \pm 9.5	90.1 \pm 7.7	86.3 \pm 8.1
Placebo		9.1 \pm 0.3	8.7 \pm 0.2	9.0 \pm 0.2	9.1 \pm 0.2	8.9 \pm 0.4

^aDay 0 shows the mean of the rats before ovariectomy. $n = 30$.
Mean \pm SEM. At least $n = 6$ per group.