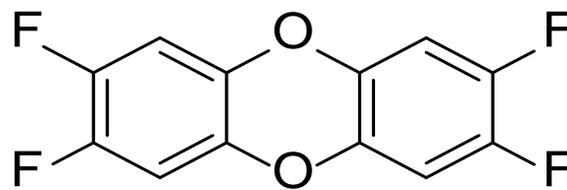
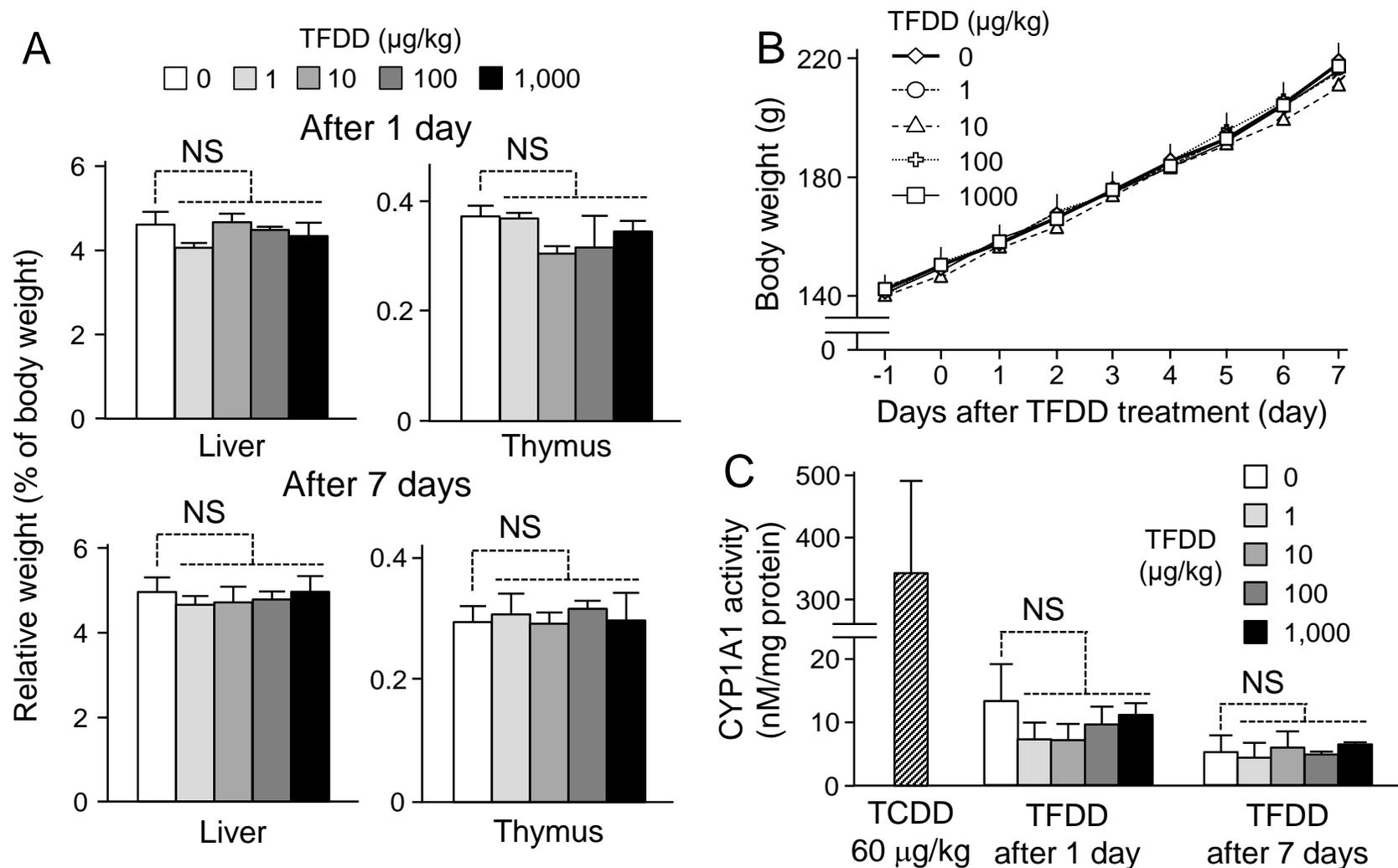


2,3,7,8-Tetrachlorodibenzo-*p*-dioxin  
(TCDD)

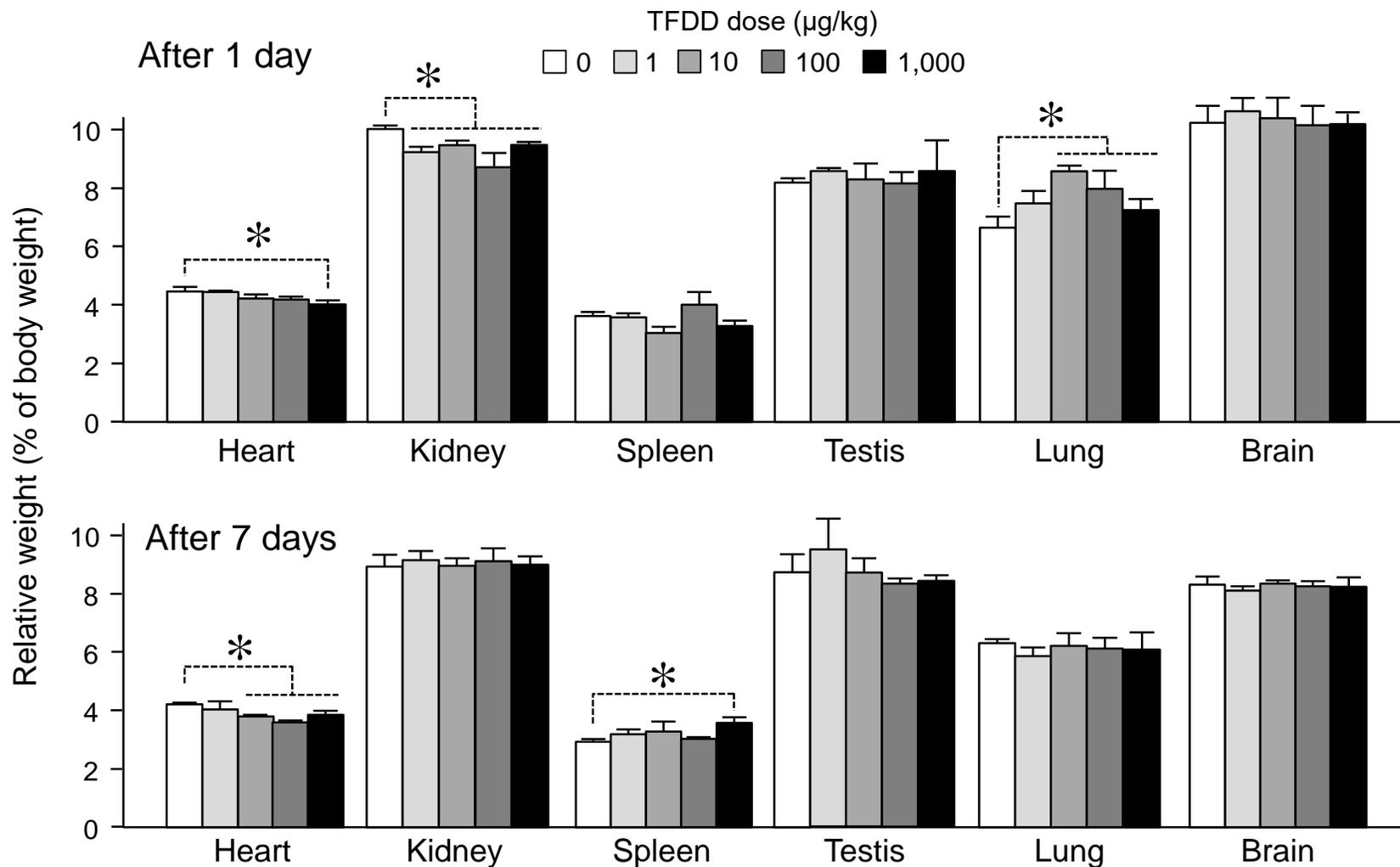


2,3,7,8-Tetrafluorodibenzo-*p*-dioxin  
(TFDD)

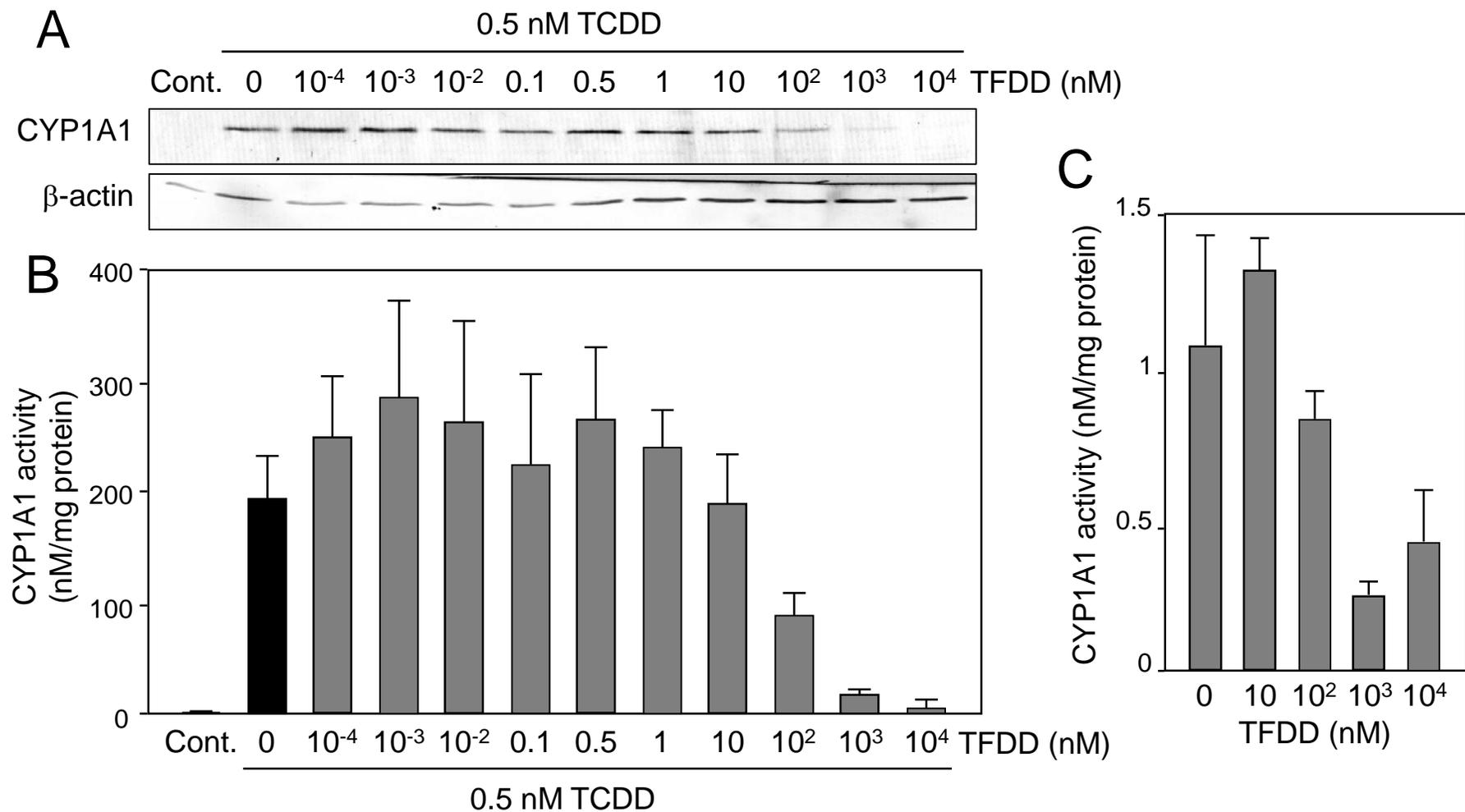
**Fig. 1. Structures of TCDD and TFDD.**



**Fig. 2.** Absence of the effect of TFDD (1-1,000  $\mu\text{g/kg}$ , orally) on the weight of liver and thymus (A), body weight gain (B) and the activity of hepatic CYP1A1 (C) of male pubertal rats. Each plot/bar represents the mean  $\pm$  S.E.M of 3 rats. NS: not significant.



**Fig. 3. Effect on the organ weights of male pubertal rats 1 day and 7 days after TFDD treatment.** Bars are the means  $\pm$  S.E.M of 3 rats. Significantly different between the pair indicated: \* $p < 0.05$ .



**Fig. 4.** Effect of TFDD on the TCDD-produced induction of the expression (A) and activity (B) of CYP1A1 protein, and constitutive activity of CYP1A1 (C) in the T47D cells. Bars are the means  $\pm$  S.E.M of 4 cultures.