



Erratum

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Functional coupling between A₁ adenosine receptors and G-proteins in rat hippocampal membranes assessed by high-affinity GTPase activity

In the above article an error occurred in Figure 4a. The corrected figure is reproduced below.

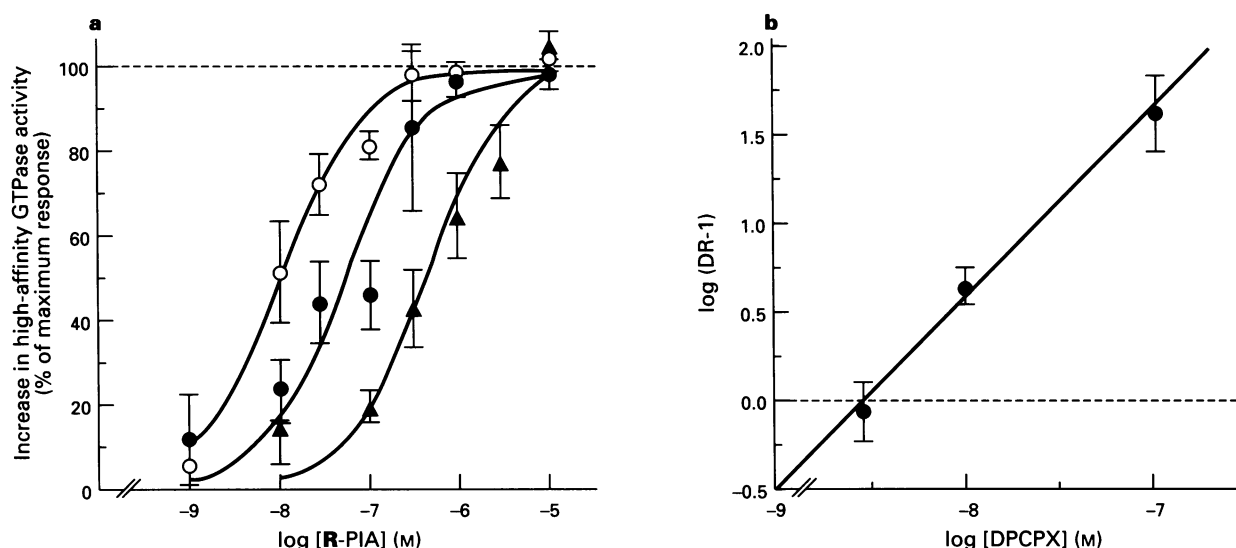


Figure 4 Antagonism of R-PIA-stimulated high-affinity GTPase activity by DPCPX. (a) Concentration-response curves for the stimulatory effect of R-PIA on the high-affinity GTPase activity were drawn in the absence (○) and presence of 10 nM (●) and 100 nM (▲) DPCPX. The data using 3 nM DPCPX were omitted from the figure for the sake of clarity. The high-affinity GTPase activity was calculated by subtracting the nonspecific, low-affinity GTP hydrolyzing activity defined as $^{32}\text{P}_i$ released from $0.3 \mu\text{M}$ [$\gamma\text{-}^{32}\text{P}$]-GTP in the presence of $100 \mu\text{M}$ unlabelled GTP from total activity. The % E_{max} values of the respective concentration-response curves were normalized to 100 and the stimulatory effects of different concentrations of R-PIA were expressed as percent. Values are mean \pm s.e. mean of four experiments, each performed in duplicate. Mean EC_{50} values for R-PIA were 10.0 nM ($\text{pD}_2 = 8.00 \pm 0.22$, $n = 4$) in the absence of DPCPX and 15.3 nM ($\text{pD}_2 = 7.82 \pm 0.25$, $n = 3$), 56.0 nM ($\text{pD}_2 = 7.25 \pm 0.23$, $n = 4$), and 459 nM ($\text{pD}_2 = 6.34 \pm 0.14$, $n = 4$) in the presence of 3, 10, and 100 nM DPCPX, respectively. Basal high-affinity GTPase activities were $890 \pm 80 \text{ pmol mg}^{-1} \text{ protein } 15 \text{ min}^{-1}$ in the absence of DPCPX, 851 ± 81 and $822 \pm 89 \text{ pmol mg}^{-1}$ in the presence of 10 and 100 nM DPCPX, respectively ($n = 4$). (b) Schild regression analysis of the data. The dose ratio (DR) refers to the ratio between the EC_{50} values of R-PIA in the presence and absence of a given concentration of DPCPX. Values are mean \pm s.e. mean of 3–4 experiments, each performed in duplicate.