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Corrigendum

In Ueng *et al.* (2011) there were errors in the y-axes of Figure 1D–F. The corrected panels appear below.

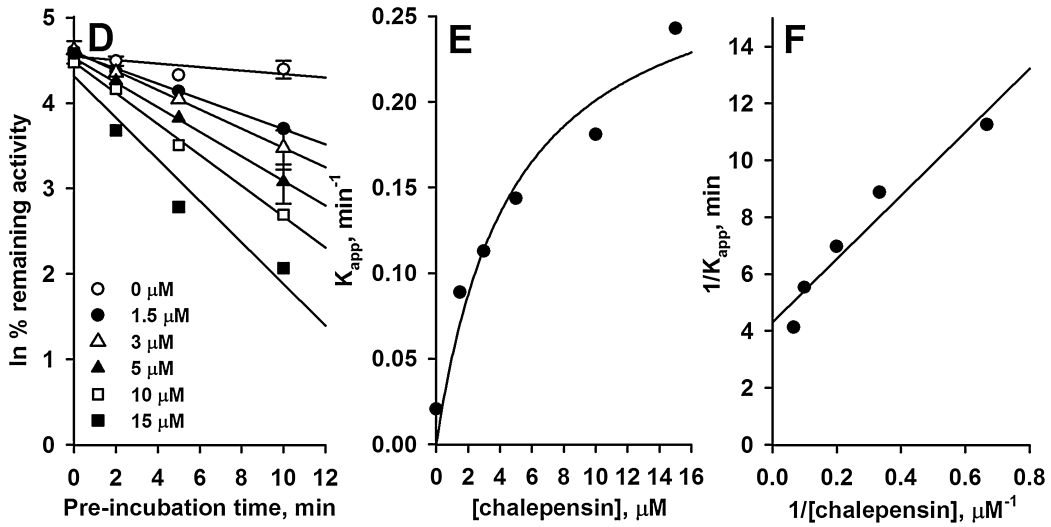

Figure 1

As a result of these errors the values of the inactivation rates (K_{app}) at different chalepensin concentrations, k_{inact} (maximal inactivation rate constant of chalepensin) and K_I (chalepensin concentration required for half-maximal inactivation) were incorrect.

Further errors appeared on pages 1250, 1254 and 1256 and are corrected by the following:

In the Key Results section of the abstract on page 1250 the sentence beginning 'This time-dependent inactivation . . .' should read 'This time-dependent inactivation (k_{inact} 0.298 min^{-1}; K_I 4.8 μM) caused the loss of spectrally detectable P450 content and was diminished by known inhibitors of CYP2A6, pilocarpine or tranylcypromine, and by glutathione conjugation.'

In the *Data and kinetic analyses* section of the Methods on page 1254 'Lineweaver-Burke plots' should be 'Lineweaver-Burk plots'. In the same section the sentence beginning 'The k_{inact} . . .' should read 'The k_{inact} (maximal inactivation rate constant of chalepensin) and K_I (chalepensin concentration required for half-maximal inactivation) values were estimated from nonlinear regression from the equation $K_{app} = (k_{inact}I)/(I+K_I)$ with the initial values calculated from the double reciprocal plot of inactivation rate versus chalepensin concentration (Silverman, 1995).'

In the *The metabolism-dependence and kinetic analysis of the CYP2A6 inhibition by chalepensin* section of the Results on page 1254 the paragraph beginning 'Pre-incubation with NADPH and chalepensin . . .' should read 'Pre-incubation with NADPH and chalepensin induced a time-dependent inactivation of coumarin 7-hydroxylation activity with k_{inact} of 0.298 ± 0.044 min^{-1} and apparent K_I of 4.8 ± 1.8 μM (Figures 1D,E). Linear regression analysis of the double reciprocal plots for inactivation rate and chalepensin concentration generated the k_{inact} and apparent K_I values for CYP2A6 of 0.233 min^{-1} and 2.6 μM respectively (Figure 1F).'

In the Discussion and conclusions on page 1256 the sentence beginning 'In the presence of NADPH . . .' should read 'In the presence of NADPH, the efficiency of enzyme inactivation by chalepensin, calculated as the ratio of k_{inact} to K_I was 62.1 min^{-1} mM^{-1}.'

The errors in the figure and text do not change the conclusion of the study.

Reference

Ueng Y-F, Chen C-C, Chung Y-T, Liu T-Y, Chang Y-P, Lo, W-S *et al.* (2011). Mechanism-based inhibition of cytochrome P450 (CYP)2A6 by chalepensin in recombinant systems, in human liver microsomes and in mice *in vivo*. Br J Pharmacol 163: 1250–1262.