Correction

Molecular action of sulphonylureas on K_{ATP} channels: a real partnership between drugs and nucleotides

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Volume 43 (2015) pp 901–907

1. In the 'Introduction' section, the sentence

"These drugs share a common mechanism of action, which is also the case for the previously developed anti-hyperglycaemic drugs, glinides [2]."

should read

"These drugs share a common mechanism of action, which is also the case for the more recently developed anti-hyperglycaemic drugs, glinides [2]."

2. In the legend to Figure 1, the sentence

"The line for data obtained for excised patches is drawn according to equation:"

should read

"The line for data obtained for excised patches is drawn according to the equation below:"

and the sentence

"P_O is primary determined by the stability of channel open state; it can be reduced by factors such as channel rundown or increased by channel mutations or via Mg-nt activation of the channel [24,35]."

should read

"P_O is primarily determined by the stability of channel open state; it can be reduced by factors such as channel rundown or increased by channel mutations or via Mg-nt activation of the channel [24,35]."

3. In the legend to Figure 3, the sentence

"I_C is the current in drug free solution obtained by averaging the current before and after application, IC_{50} is the drug concentration at which the inhibition is half maximal, h is the Hill coefficient, L is a scaling factor reflecting the difference between channel activity in control and MgATP-containing solution ($L = 1$ in the absence of the nt) and a is the fraction of K_{ATP} current remaining at gliclazide concentrations that saturate the high-affinity-binding site on SUR1."

should read

"I_C is the current in drug-free solution obtained by averaging the current before and after drug application, IC_{50} is the drug concentration at which the inhibition is half maximal, h is the Hill coefficient, L is a scaling factor reflecting the difference between channel activity in control and MgATP-containing solution ($L = 1$ in the absence of the nt) and a is the fraction of K_{ATP} current remaining at gliclazide concentrations that saturate the high-affinity-binding site on SUR1."

4. In the 'Concluding remarks' section, the sentence

"Drug-induced stimulation of insulin exocytosis via Epac2 (cAMP-activated guanine-nt exchange factor). It has recently been demonstrated that binding of sulphonylureas to this protein requires cAMP [45]."

should read

"For example, sulphonylurea-induced stimulation of insulin exocytosis via Epac2 (cAMP-activated guanine-nt exchange factor) has recently been demonstrated to be cAMP -dependent since binding of sulphonylureas to this protein requires cAMP [45]."