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Corrigendum

# Corrigendum to 'Design, Synthesis and Binding Affinity of 3′-Fluoro Analogues of C1-IB-MECA as Adenosine $A_3$ Receptor Ligands' [Bioorg. Med. Chem. Lett. 13 (2003) 817]†

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The authors regret that there were errors contained in the above article. The abstract of the article should read:

Several 3′-fluoro analogues, **1a**, **1b**, and **1c** of selective and potent adenosine $A_3$ receptor agonist, Cl-IB-MECA were synthesized from D-xylose via highly regioselective opening of *lyxo*-epoxides, **8a** and **8b** with fluoride anion. Compared to the high binding affinity of Cl-IB-MECA to the $A_3$ adenosine receptor, the corresponding 3′-fluoro derivative showed remarkably decreased binding affinity, indicating that 3′-hydroxyl group acts as hydrogen bonding donor, not hydrogen bonding acceptor like fluorine atom in binding to the $A_3$ adenosine receptor.

Also, on page 820 of the article, the last sentence in the first paragraph should read:

These biological results indicate that 3′-hydroxyl group plays an essential role in binding to $A_3$ and $A_{2A}$ adenosine receptors as a hydrogen bonding donor, especially to $A_{2A}$ receptor, but has little effect on binding to $A_1$ receptor.

The penultimate sentence of the second paragraph on page 820 should read:

From this study, we have found a very important and essential role of 3′-hydroxyl group as hydrogen bonding donor, not a hydrogen bonding acceptor like the fluorine atom in binding to adenosine receptors.

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