CORRIGENDUM

Drug–target residence time and its implications for lead optimization

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The authors wish to correct values in Table 1 and the footnote (page 733). A number of the values in the Table and in the footnote are incompatible with the corresponding data in Figure 2 (page 734). Although these errors affect the quantitative values reported in Table 1, they do not impact on the overarching perspective nor the conclusions drawn in this article.

The corrections for the Table and the footnote should read:

Table 1 Calculated inhibition and kinetic constants for a hypothetical drug				
Target	K_i (nM)	K_i^* (nM)	k_{off} (s ⁻¹)	Dissociative $t_{1/2}$ (s)
Primary	10	0.099	9×10^{-3}	76
Secondary 1	1	0.4	0.2	3.10
Secondary 2	10	3	0.4	1.60
Secondary 3	50	50	1.0	1.00

The inhibitor is considered to be competitive with the substrates for all targets, and for which substrate concentrations *in vivo* reflect their Michaelis constants. For the kinetic scheme shown in equation 3, $K_i = k_2/k_1$ and $K_i^* = k_2k_4/(k_1(k_3 + k_4))$, $k_{off} = k_2k_4/(k_2 + k_3 + k_4)$; and $t_{1/2} = 0.693/k_{off}$. For all four targets, $k_1 = 10^9 \text{ M}^{-1}\text{s}^{-1}$, whereas other rate constants for the four targets were, respectively: k_2 (s⁻¹) = 10, 1, 10, 50; k_3 (s⁻¹) = 1, 0.75, 1, 0; and k_4 (s⁻¹) = 0.01, 0.5, 0.5, 1.0.