

## CORRIGENDUM

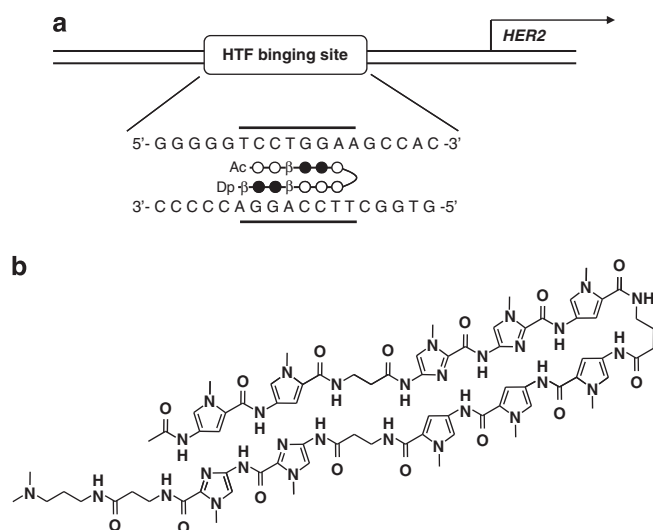
# Development of a molecule-recognized promoter DNA sequence for inhibition of *HER2* expression

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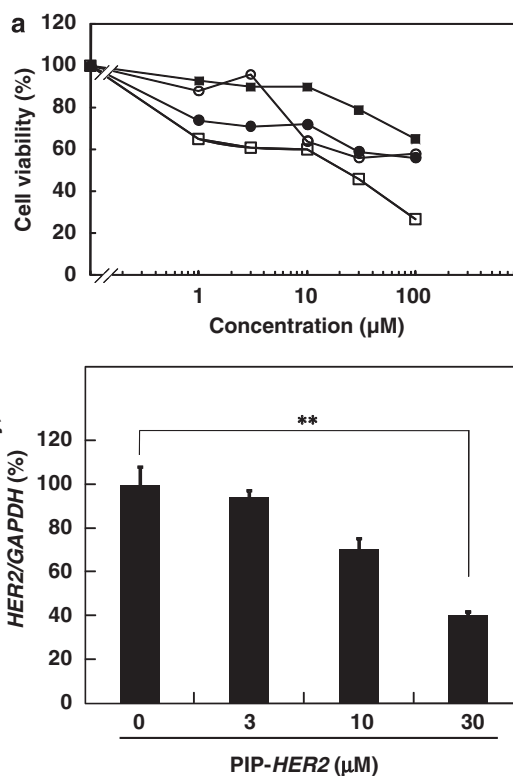
*The Journal of Antibiotics* (2009) 62, 345; doi:10.1038/ja.2009.42

**Correction to:** *The Journal of Antibiotics* (2009) 62, 339–341; doi:10.1038/ja.2009.35

The authors of the above noted an error in the publication of this paper (AOP and in this issue) in the legend of Figure 1 and y axis of Figure 2. The corrected Figures 1 and 2 are shown below.



**Figure 1** Designed pyrrole-imidazole polyamide targeting *HER2* promoter region. (a) Targeting *HER2* promoter region. Bold lines are targeting sequences. Open circles: Py (*N*-methylpyrrole); black circles: Im (*N*-methylimidazole);  $\beta$ :  $\beta$ -alanine; Ac: Acetyl; Dp: *N,N*-dimethylaminopropylamine;  $\gamma$ :  $\gamma$ -aminobutyric. (b) Chemical structure of PI polyamide-*HER2*.



**Figure 2** Effects of PI polyamide-*HER2* on cell growth and mRNA expression in MDA-MB-231 cell. (a) Effects of PI polyamide-*HER2* on the growth of COLO205, HT29, MCF-7 and MDA-MB-231 cells in a proliferation assay. Test compounds were dissolved in 50% DMSO at appropriate concentrations and treated for 72 h. Black squares: colo205 ( $\text{IC}_{50} > 100 \mu\text{M}$ ); black circles: HT29 ( $\text{IC}_{50} < 100 \mu\text{M}$ ); open circles: MCF-7 ( $\text{IC}_{50} > 100 \mu\text{M}$ ); open squares: MDA-MB-231 ( $\text{IC}_{50} = 30 \mu\text{M}$ ). (b) PI polyamide-*HER2* treatment decreased *HER2* expression in MDA-MB-231 cells. The cell had been treated with different concentrations of PI polyamide-*HER2* for 48 h, and *HER2* mRNA expression was determined by quantitative real-time PCR experiments. The *HER2* mRNA expression levels were expressed as a relative percentage to the control value. Data are expressed as the mean  $\pm$  s.d. ( $n=3$  for each group). The statistical significance of differences between control and experimental groups was determined by using a two-group two-tailed Student's *t*-test;  $**P < 0.01$  was taken as the level of statistical significance.