CORRIGENDUM

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The pterocarpanquinone LQB-118 induces apoptosis in acute myeloid leukemia cells of distinct molecular subtypes and targets FoxO3a and FoxM1 transcription factors

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Subsequent to the publication of the above article, the authors have realized that there were errors associated with Figs. 1c and 2b. In Fig. 1c, the authors noted that the same data were incorrectly presented for the 'Untreated cells" and 'DMSO' dot-blot experiments. After having re-examined their source data, the authors were able to confirm that the data correctly shown for the 'Untreated cells' experiment had inadvertently been included in the Figure as the data for the 'DMSO' experiment. Additionally, in Fig. 2b, the authors noticed that the percentage of untreated cells with active caspase-3 was missing (the label for the 'No antibody' experiment).

Corrected versions of Figs. 1 (including the correct data for the 'DMSO' dot blot) and 2 (with the label now incorporated) are shown opposite. Note that these changes do not affect the results or the conclusions reported in this paper, and all the authors agree to this correction. The authors apologize to the Editor and to the readership of the Journal for any inconvenience caused.

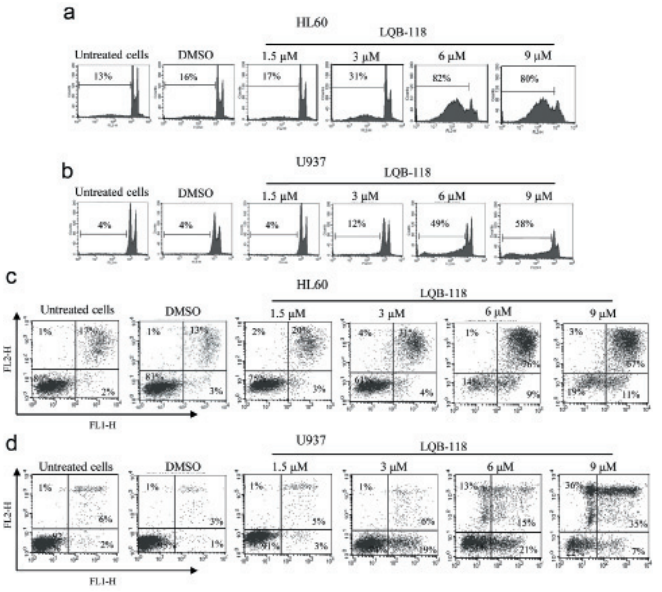

Figure 1. Flow cytometry analysis of LQB-118-induced cell death in HL60 and U937 AML cell lines. HL60 and U937 cell lines were exposed to 1.5, 3, 6 and 9 μM of LQB-118 and to dimethyl sulfoxide (DMSO) and collected after a 24-h exposure. (a and b) DNA fragmentation was evaluated in the cell lines and estimated by the percentage of cells in the sub-G_0/G_1 phase. (c and d) Cells were stained with Annexin V and propidium iodide for detection of Annexin V positivity. DMSO was used as a vector control for the highest concentration. The images are representative of three independent experiments.

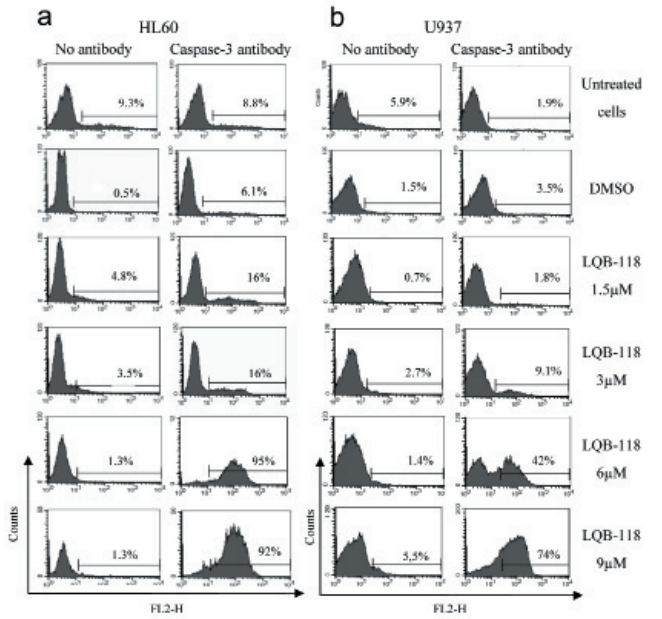

Figure 2. Profile of caspase-3 activation mediated by the LQB-118 compound in HL60 and U937 cells. (a) HL60 and (b) U937 cell lines were incubated with 1.5, 3, 6 and 9 μM LQB-118 and with dimethyl sulfoxide (DMSO). After 24 h of incubation, cells were harvested and analyzed for caspase-3 activation using flow cytometry, as described in the Materials and methods. The percentages of LQB-118-induced caspase-3 activation were calculated by subtracting the values of the caspase-3 staining from the negative control samples (no antibody). The histograms are representative of three independent experiments.