SUPPLEMENTARY MATERIAL

Bacteriocins as a source for anti-leishmanial compounds. The enterocin AS-48 as a proof-of-mechanism.

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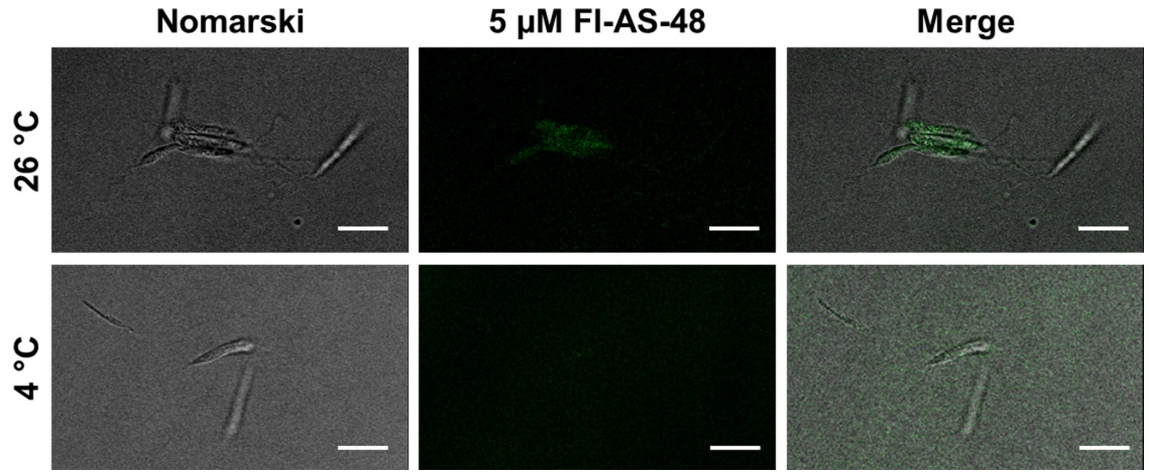
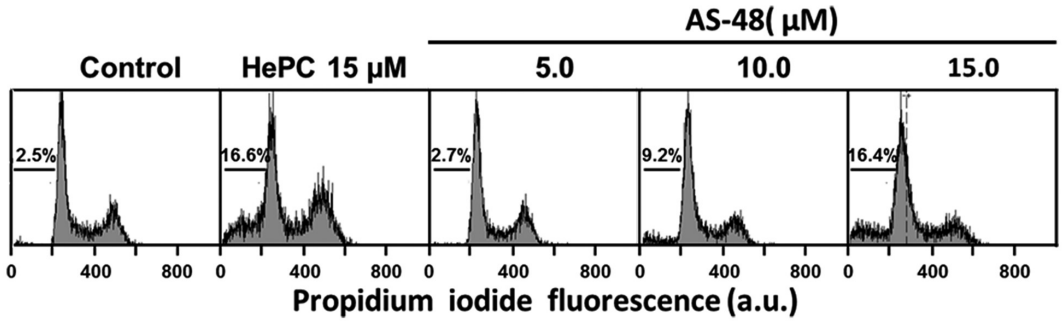


Supplemental Figure 1.- Uptake of fluoresceinated AS-48 by *L. donovani* promastigotes at different temperatures. Parasites were incubated under the standard conditions of assay with AS-48 either at 26 °C or at 4 °C for 4 h and observed unfixed under confocal microscopy. Fluorescence settings: λ_{EXC}= 488 nm, λ_{EM}= 519 nm.



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29 **Supplemental Figure 2.- Induction of subG$_1$ in *L. donovani* promastigotes by AS-48**.
30 Parasites were incubated under standard conditions (2 x 10^7 cells/ml, 4 h) with different
31 concentrations of AS-48. Afterwards, cells were processed as described in Materials and
32 Methods, and cell cycle was analysed by cytofluorometry after PI staining (λ_{EXC}= 488 nm,
33 λ_{EM} = 620 nm). Miltefosine (HePC) at 15 µM was used as positive control for apoptosis.
34 Percentage of subG$_1$ population was indicated inside each histogram. Experiment is
35 representative of other two carried out independently.

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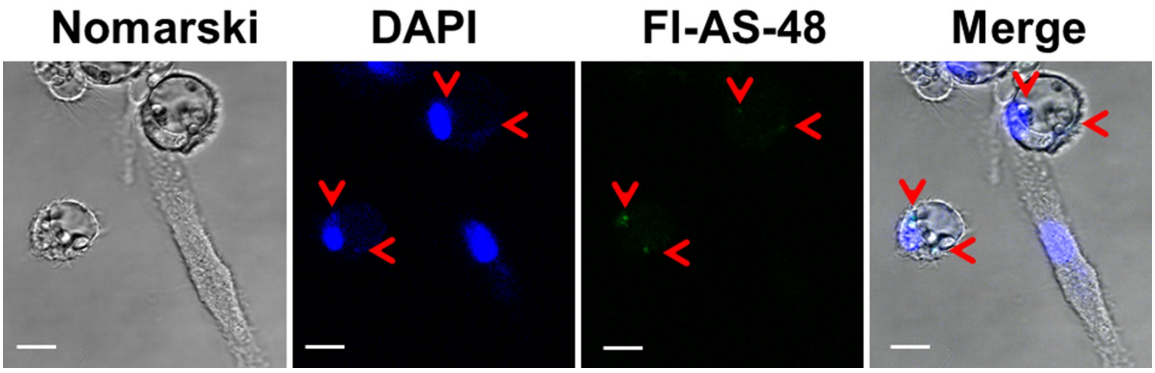

Supplemental figure 3.- Location of Fl-AS-48 in *L. pifanoi* infected macrophages Raw 264.7. Macrophages were infected with *L. pifanoi* amastigotes as described in Materials and Methods. Once infection was established, 5 µM AS-48 was added and incubated for 14 h. Arrows point out to representative intracellular amastigotes. Fluorescence settings: Fl-AS-48, λ_{EXC}= 488 nm, λ_{EM}= 519 nm; DAPI, λ_{EXC}= 358 nm, λ_{EM}= 461 nm. Magnification bar = 10 µm.