**Supporting Information**

**Table S1:** Summary of results in the TUNEL and PI-staining assays.

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| --- | --- | --- | --- |
|  |  |  | **Results** |
| **compounda** | **dose (μM)b** | **time of exposition (h)b** | **TUNELc** | **PI-staining (%)d** |
| **Fx1** | 150 | 9, 24, and 48 | (-) | 25-50 |
| 75 | (-) | 0-25 |
| 45 | (-) | 0-25 |
| **Fx2** | 80 | 24 and 48 | (-) | 50-75 |
| 40 | n.s.e | 0-25 |
| 24 | n.s. | 0-25 |
| **Bfx1** | 72 | 24 and 48 | (-) | 25-50 |
| 48 | n.s. | 0-25 |
| 24 | n.s. | 0-25 |
| **Bfx2** | 200 | 48 and 72 | (-) | 25-50 |
| 130 | (-) | 0-25 |
| 65 | n.s. | 0-25 |
| **Qx1** | 16 | 6 and 24 | n.s. | 75-100 |
| 8 | (-) | 0-25 at 6 h / 75-100 at 24 h |
| 4.8 | n.s. | 0-25 |
| **Qx2** | 18 | 3 and 6 | (-) | 75-100 |
| 9 | (-) | 0-25 at 3 h / 25-50 at 6 h |
|  |  |  |  |  |  |
| **Nfx** | 100 | 24 and 48 | (-) | 50-75 |
| 50 | (-) | 0-25 |
| **Nf1** | 19.5 | 6, 24 and 48 | (-) | 0-25 |
| 13 | (-) | 0-25 |

a Incubated with *T. cruzi* Y strain, except for compound **Fx1**; in this experiment the CL Brener clone was used. b One of the assayed dose and time of exposition was similar as those in Table 2, additionally extra doses and times were studied. c “(-)”: represents a negative TUNEL result, that is, an apoptotic index equal or lower than the negativecontrol. d Percentage of cells stained with PI. e “n.s.”: not studied.

**a)**



**b)**



**Figure S1: “Choline” and “PUFAs” regions. a)** Control PBS-untreated parasites (left) and **Fx2**-treated parasites (right). **b)** Control PBS-untreated parasites (left), **Bfx1**-treated parasites (center), and **Bfx2**-treated parasites (right).