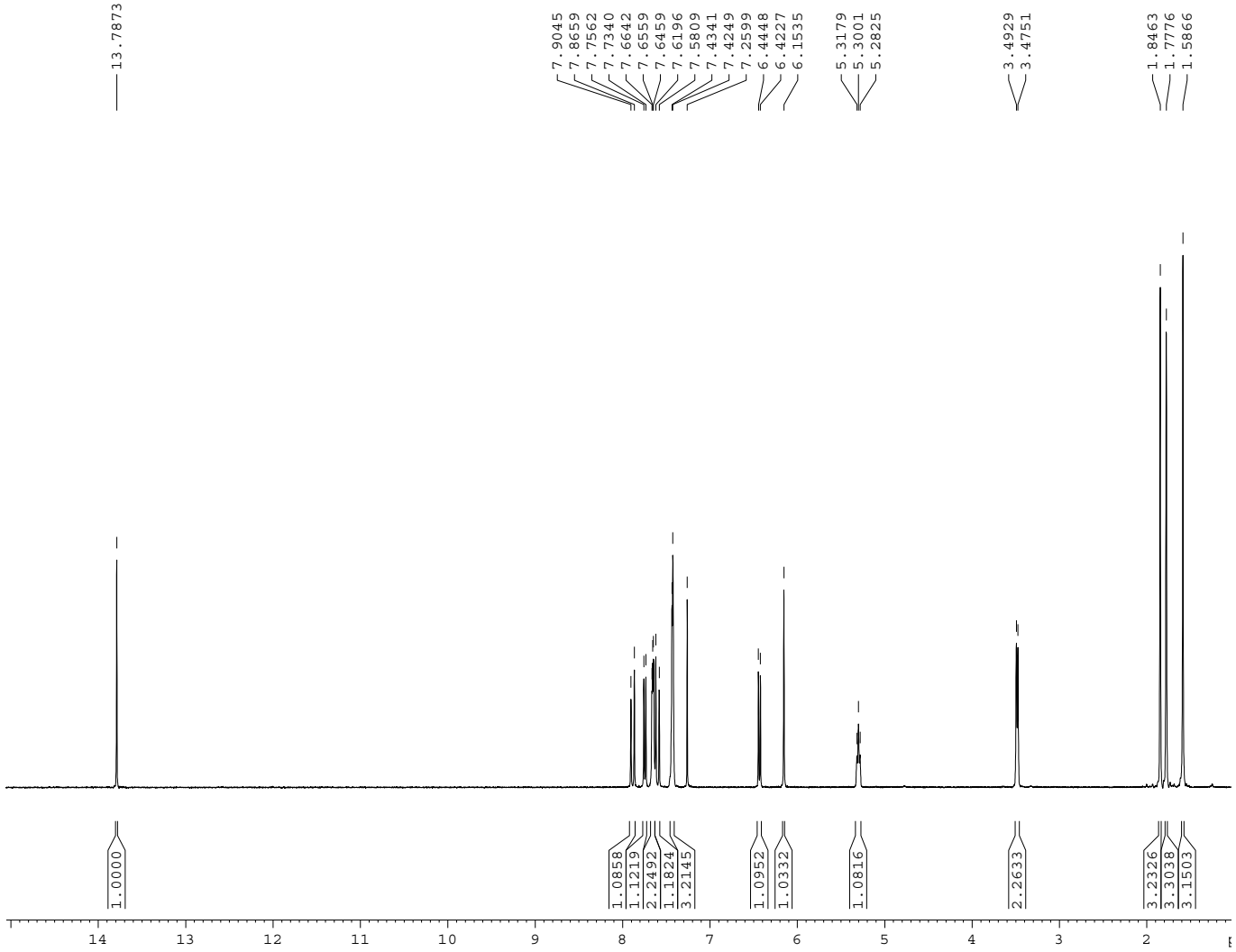
In Vitro and In Silico Cytotoxic Activity of Isocordoin from *Adesmia balsamica* Against Cancer Cells

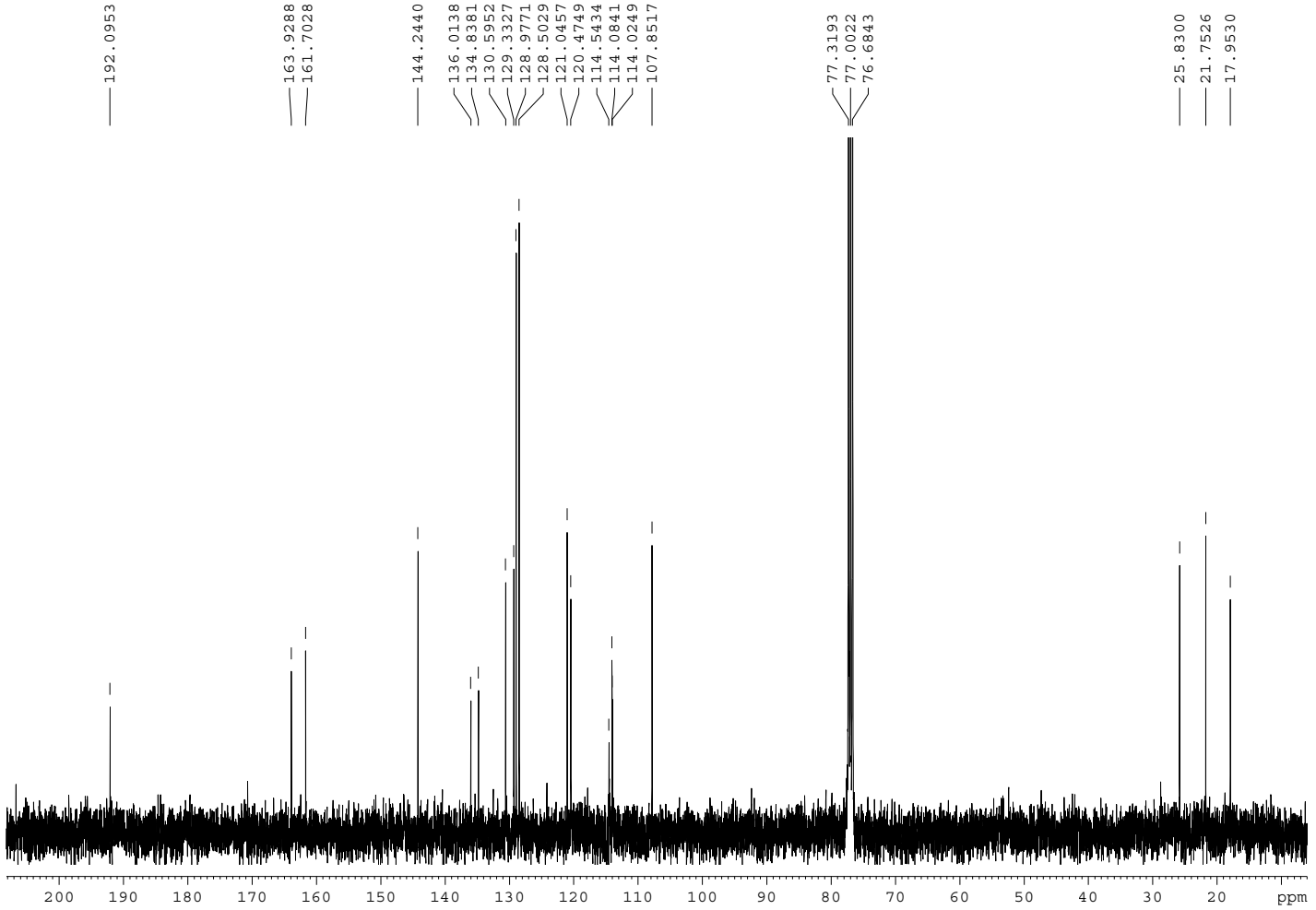
Valentina Silva [1], Evelyn Muñoz [1], Catalina Ferreira [1], Alessandra Russo [2], Joan Villena [3], Iván Montenegro [4,5], Daniela Birchmeier [6] and Alejandro Madrid [1,5,*]

1. **Spectra S1**. ^{1}H, ^{13}C NMR, MS and IR spectra for isocordoin

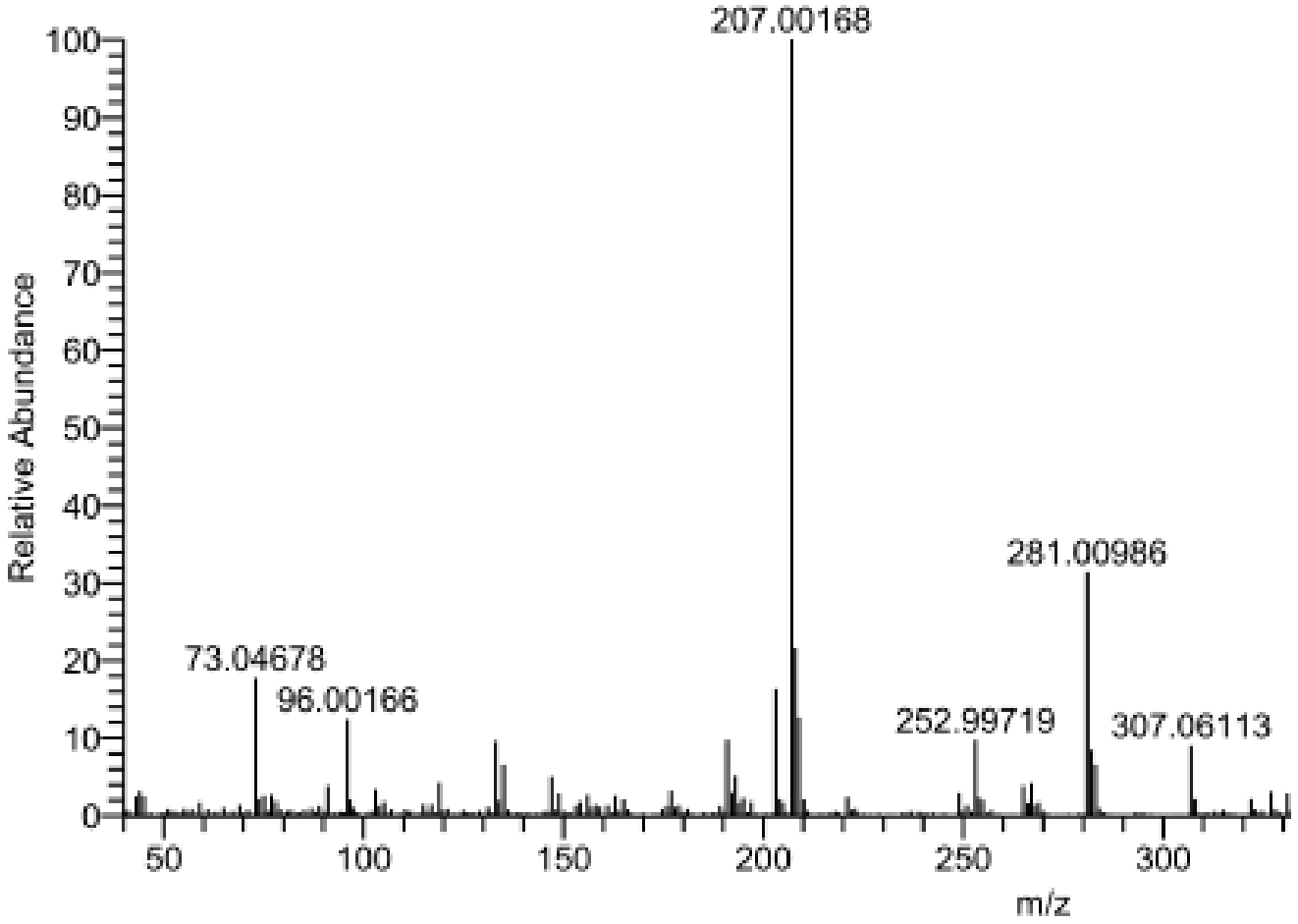
Spectra S1. ^{1}H spectra for isocordoin.



Spectra S2. ^{13}C NMR spectra for isocordoin



Spectra S3. MS spectra for isocordoin



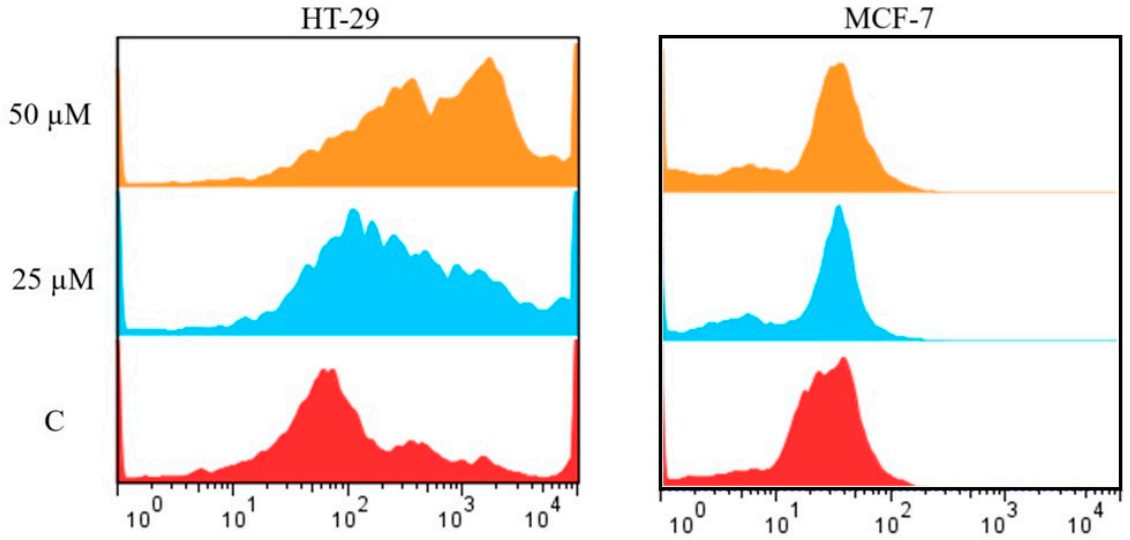


Figure S1 ROS production after treatment with different concentration of isocordoin.

Isocordoin-treated (25 and 50 µM) cells were subjected to flow cytometry analysis. C: control-solvent.

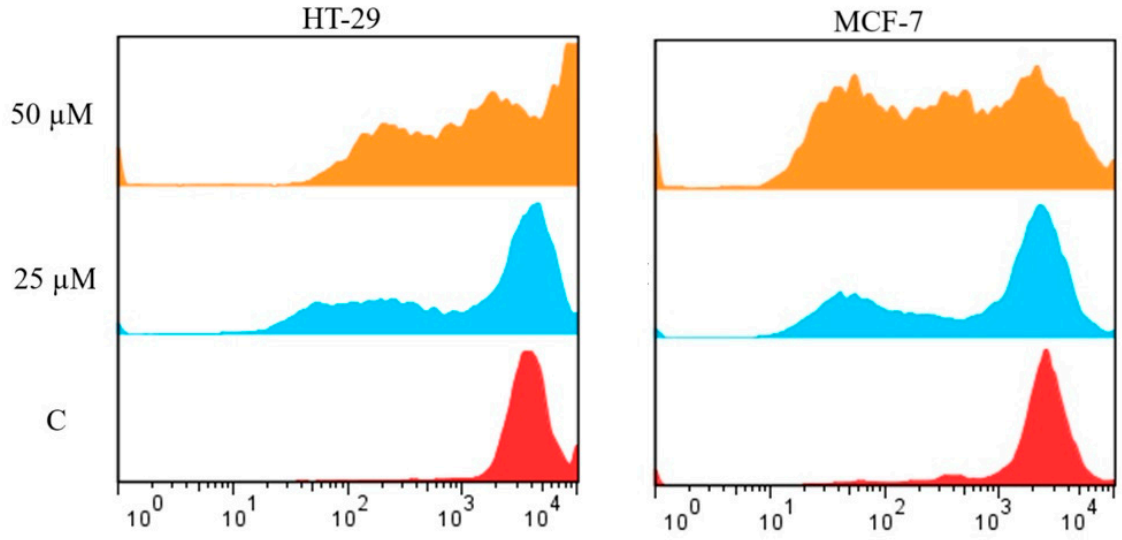


Figure S2 Mitochondrial membrane permeability after treatment with isocordoin (25 and 50 μM). C: ethanol solvent-treated cells.

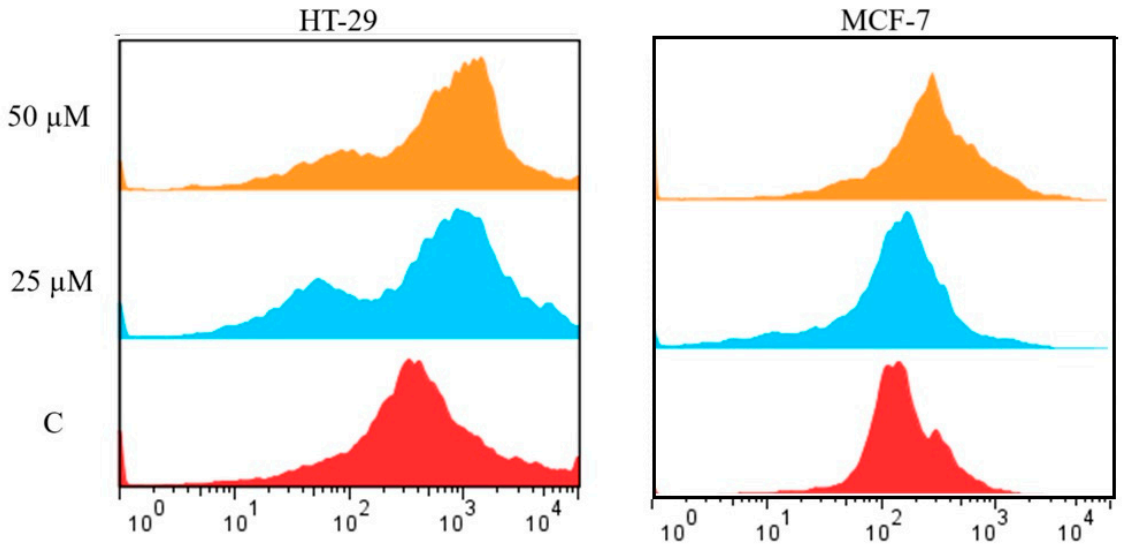


Figure S3 Activation of caspases in HT-29 and MCF-7 cells after treatment with isocordoin (25 and 50 µM). C: ethanol solvent-treated cells.