Supplementary Information

Cytotoxic activity of novel GnRH analogs conjugated with mitoxantrone in ovarian cancer cells

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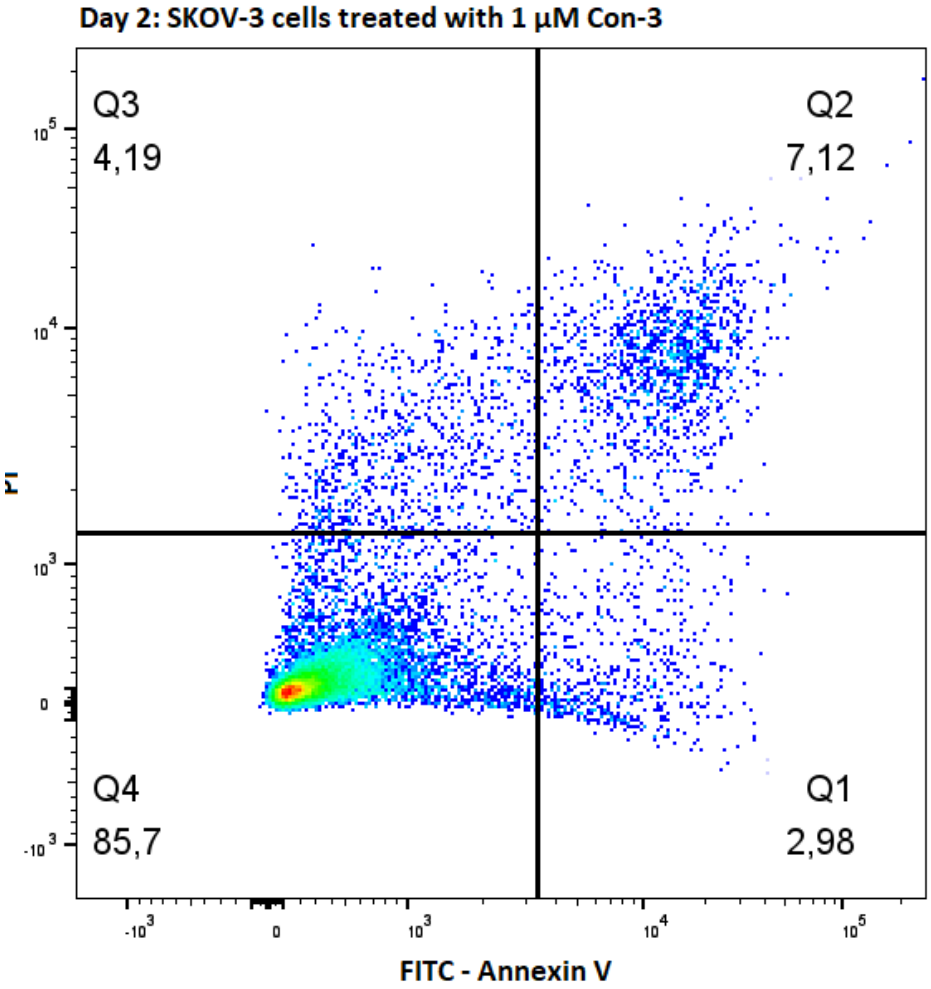


Figure S1. Determination of viability, apoptosis, or necrosis of SKOV-3 cells after their treatment with 1 µM Con-3, for 2 days at 37°C. The figure is from a representative experiment performed three times with similar results. The mean ± SEM (Standard Error of the Mean) values of apoptotic cells are shown in Table 1 and Figure 7. Detailed information is provided in the legend of Figure 5.

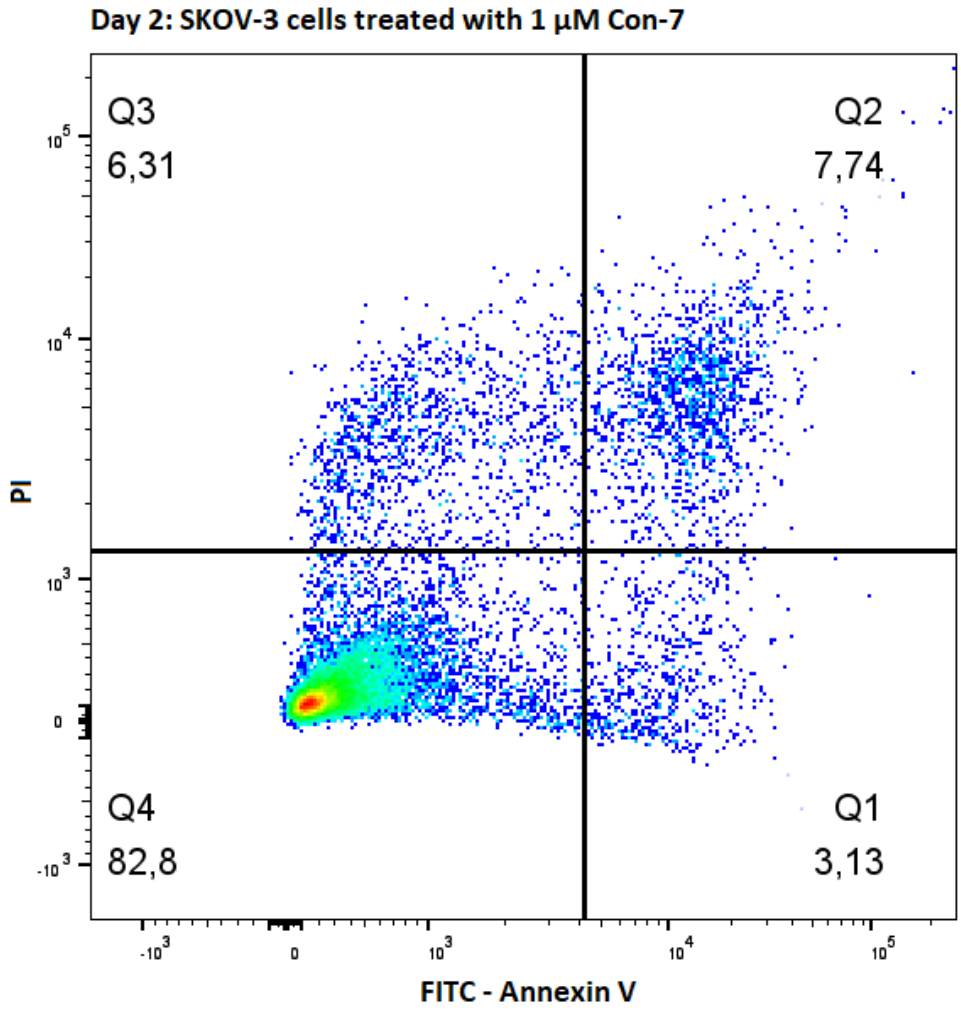


Figure S2. Determination of viability, apoptosis, or necrosis of SKOV-3 cells after their treatment with 1 µM Con-7, for 2 days at 37°C. The figure is from a representative experiment performed three times with similar results. The mean ± SEM (Standard Error of the Mean) values of apoptotic cells are shown in Table 1 and Figure 7. Detailed information is provided in the legend of Figure 5.

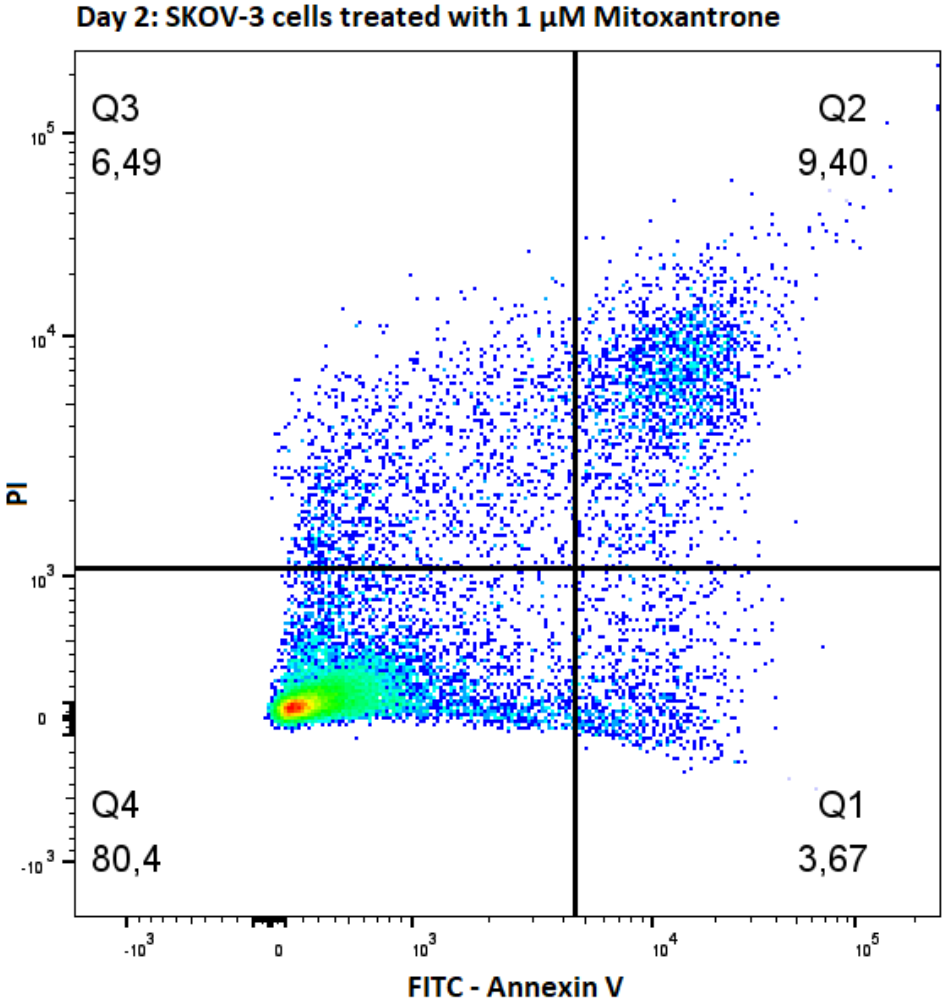


Figure S3. Determination of viability, apoptosis, or necrosis of SKOV-3 cells after their treatment with 1 µM mitoxantrone, for 2 days at 37°C. The figure is from a representative experiment performed three times with similar results. The mean ± SEM (Standard Error of the Mean) values of apoptotic cells are shown in Table 1 and Figure 7. Detailed information is provided in the legend of Figure 5.

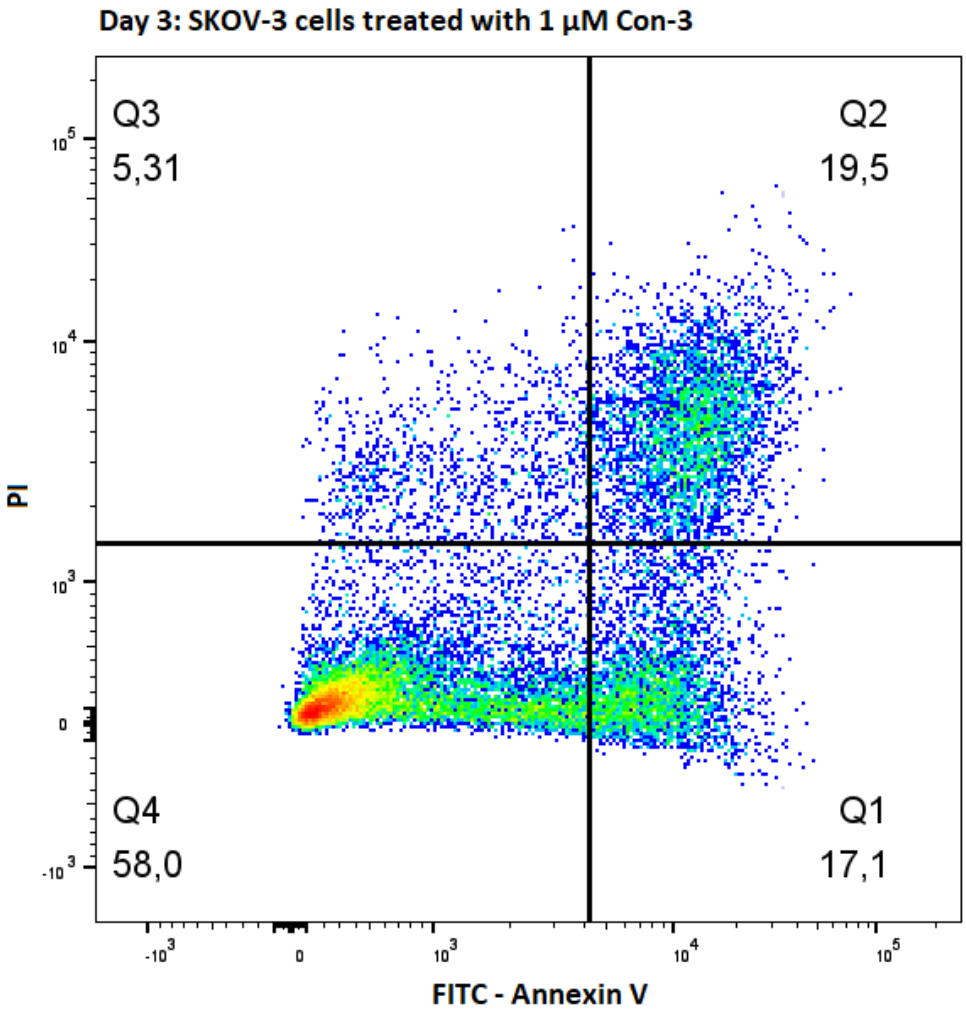


Figure S4. Determination of viability, apoptosis, or necrosis of SKOV-3 cells after their treatment with 1 µM Con-3, for 3 days at 37°C. The figure is from a representative experiment performed three times with similar results. The mean ± SEM (Standard Error of the Mean) values of apoptotic cells are shown in Table 1 and Figure 7. Detailed information is provided in the legend of Figure 5.

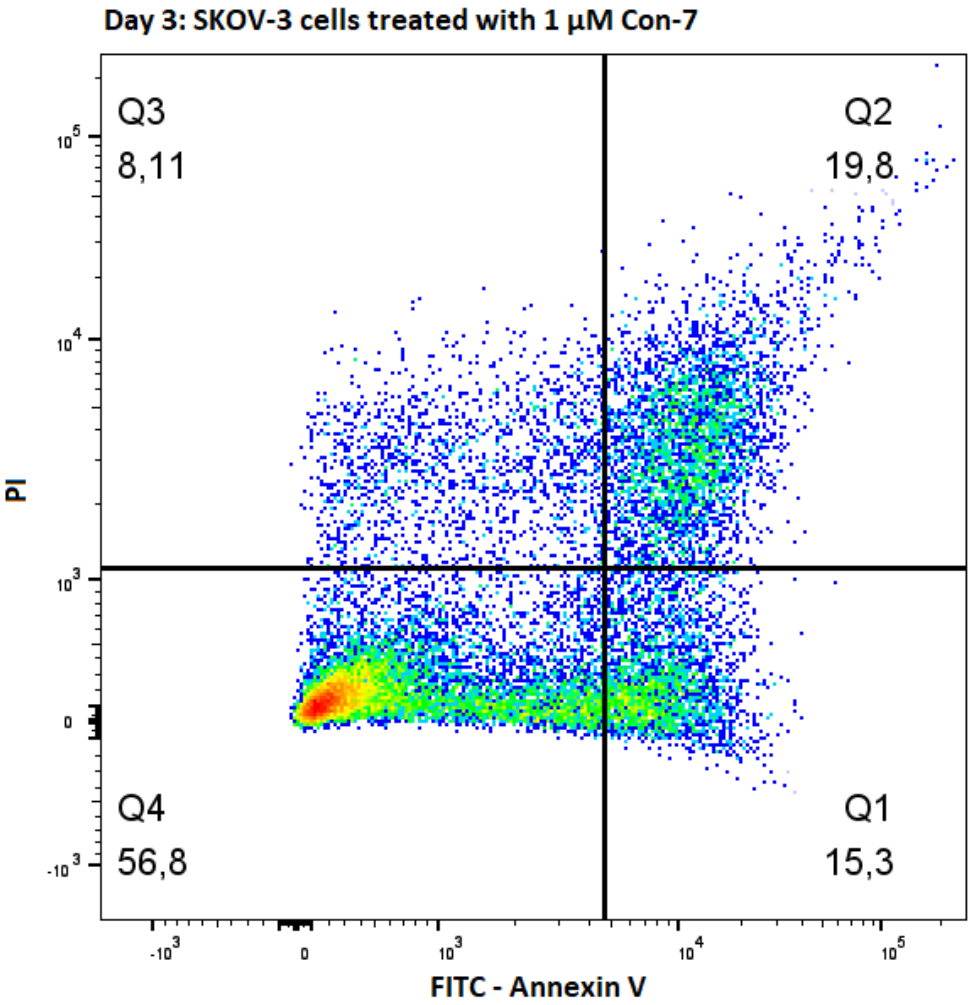


Figure S5. Determination of viability, apoptosis, or necrosis of SKOV-3 cells after their treatment with 1 µM Con-7, for 3 days at 37°C. The figure is from a representative experiment performed three times with similar results. The mean ± SEM (Standard Error of the Mean) values of apoptotic cells are shown in Table 1 and Figure 7. Detailed information is provided in the legend of Figure 5.

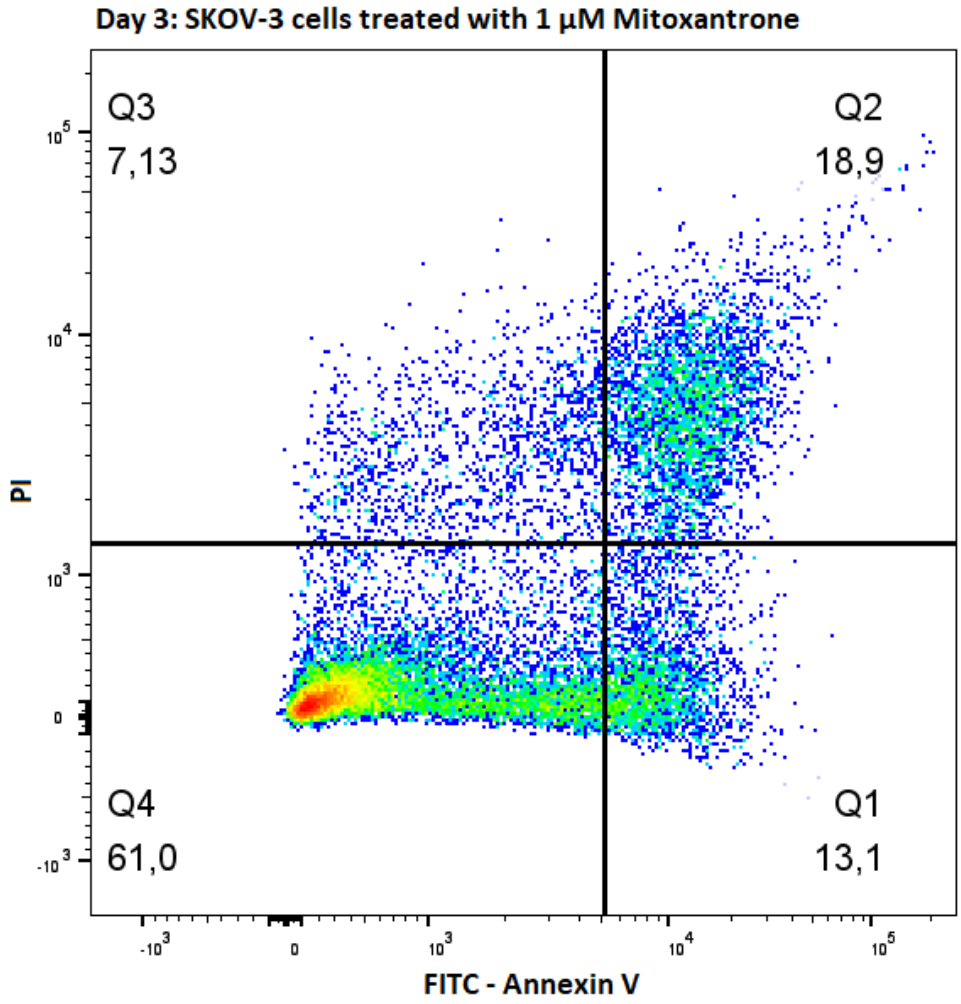


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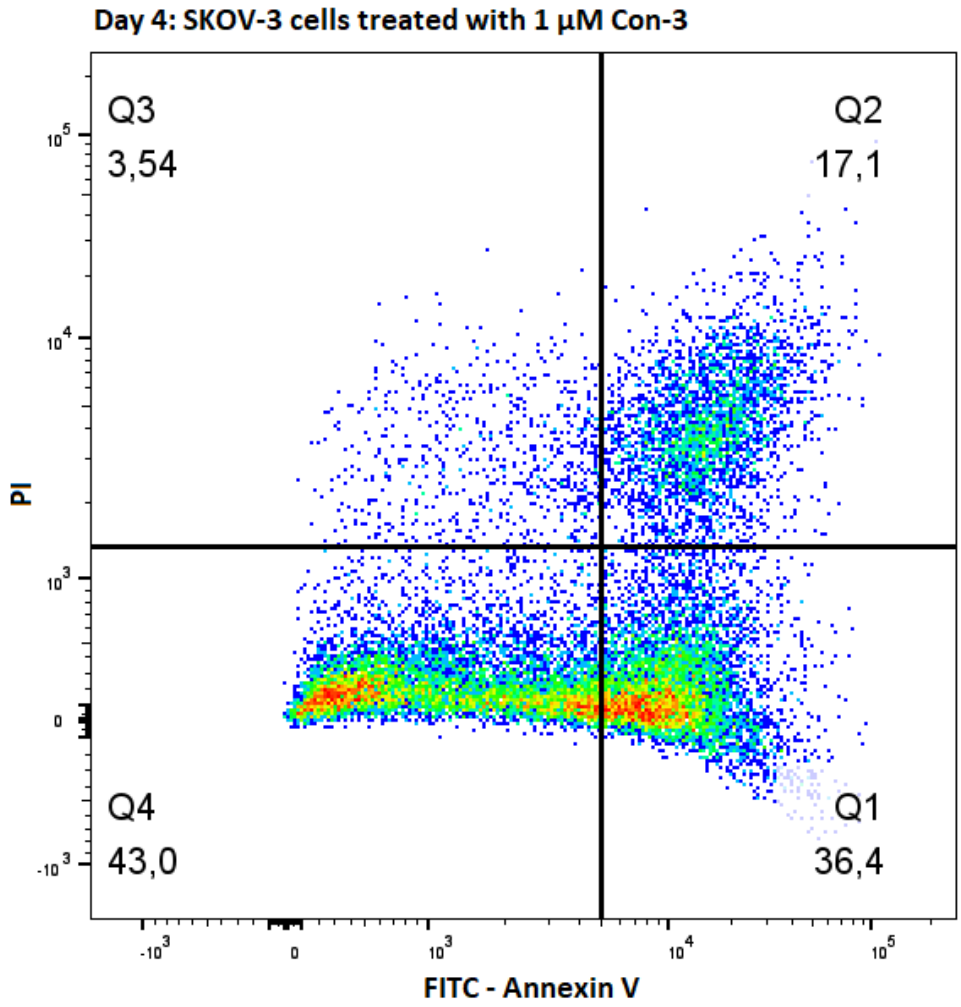


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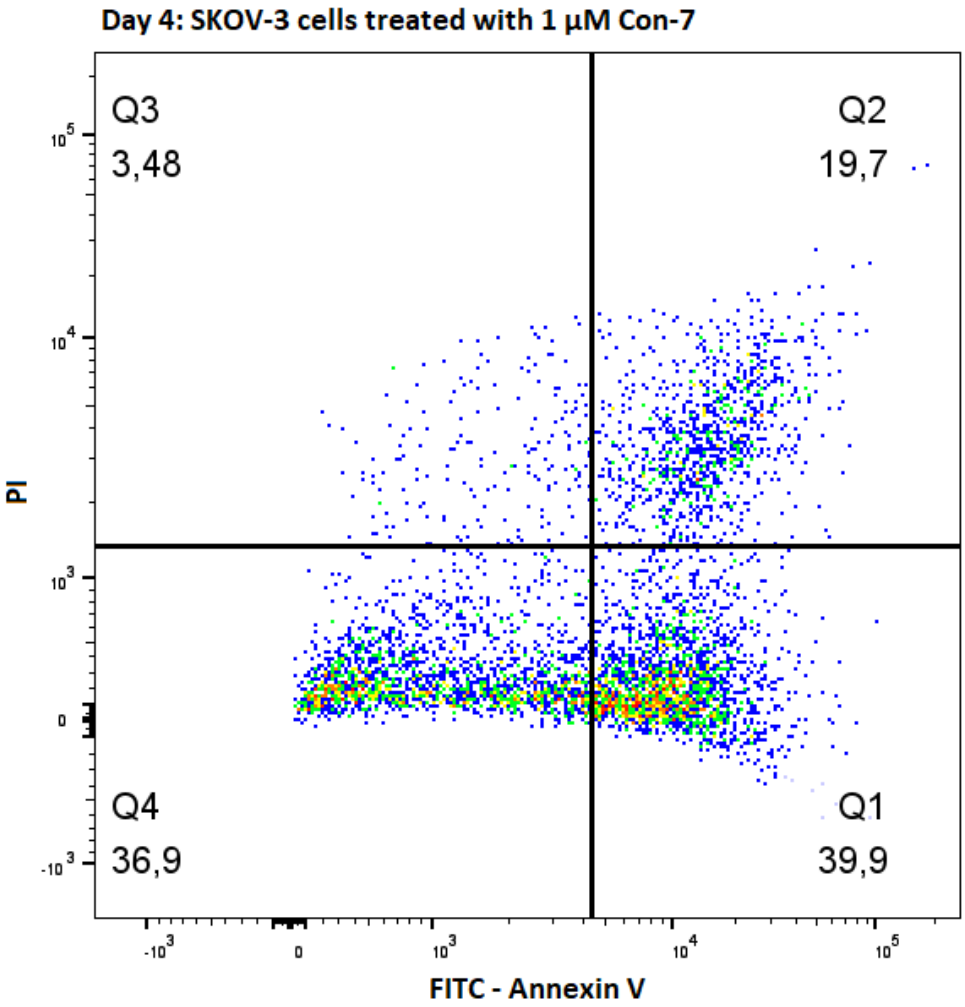


Figure S8. Determination of viability, apoptosis, or necrosis of SKOV-3 cells after their treatment with 1 µM Con-7, for 4 days at 37°C. The figure is from a representative experiment performed three times with similar results. The mean ± SEM (Standard Error of the Mean) values of apoptotic cells are shown in Table 1 and Figure 7. Detailed information is provided in the legend of Figure 5.

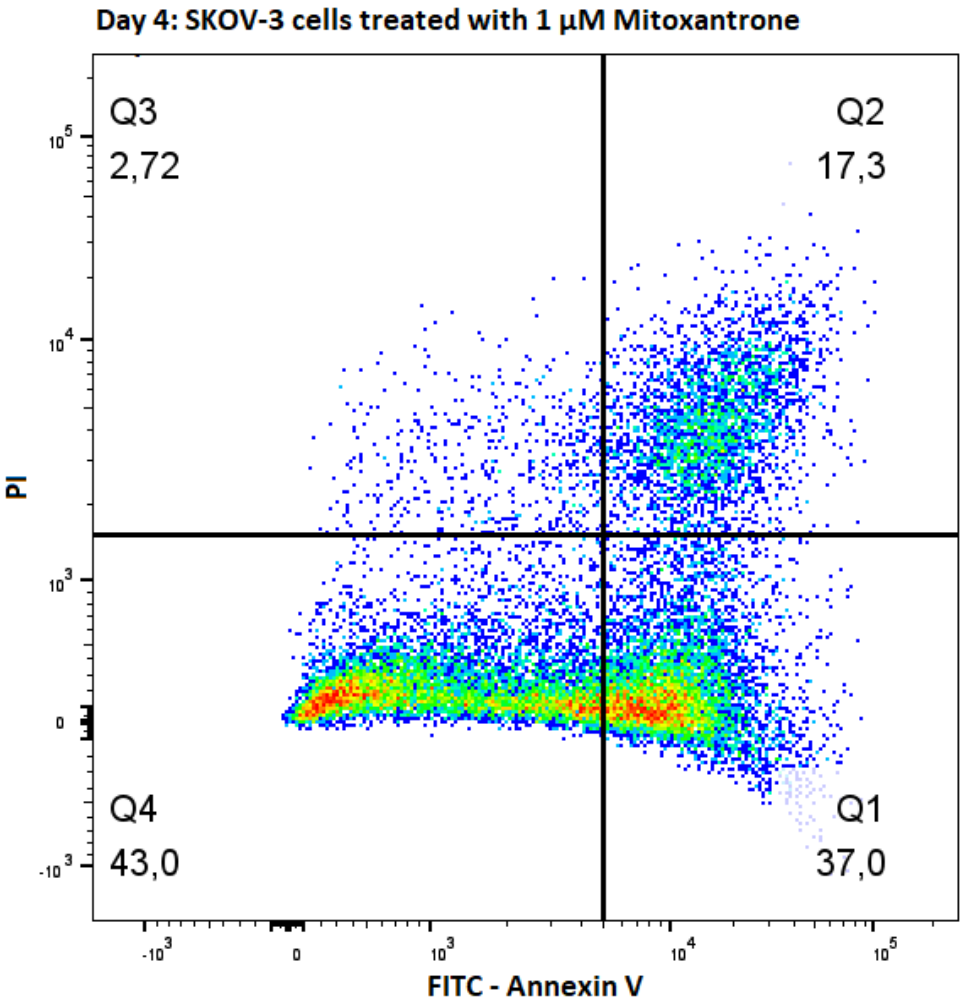


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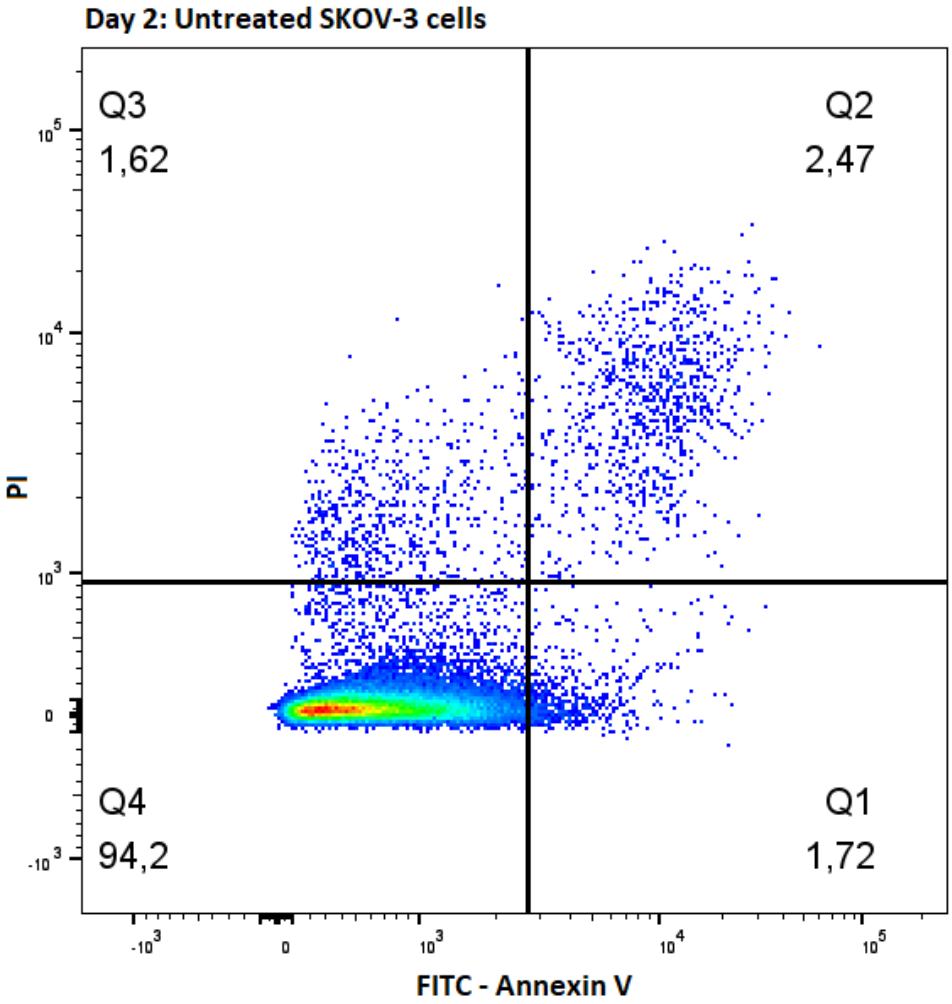


Figure S10. Determination of viability, apoptosis, or necrosis of untreated SKOV-3 cells at day 2. The figure is from a representative experiment performed three times with similar results. The mean ± SEM (Standard Error of the Mean) values of apoptotic cells are shown in Table 1 and Figure 7. Detailed information is provided in the legend of Figure 6.

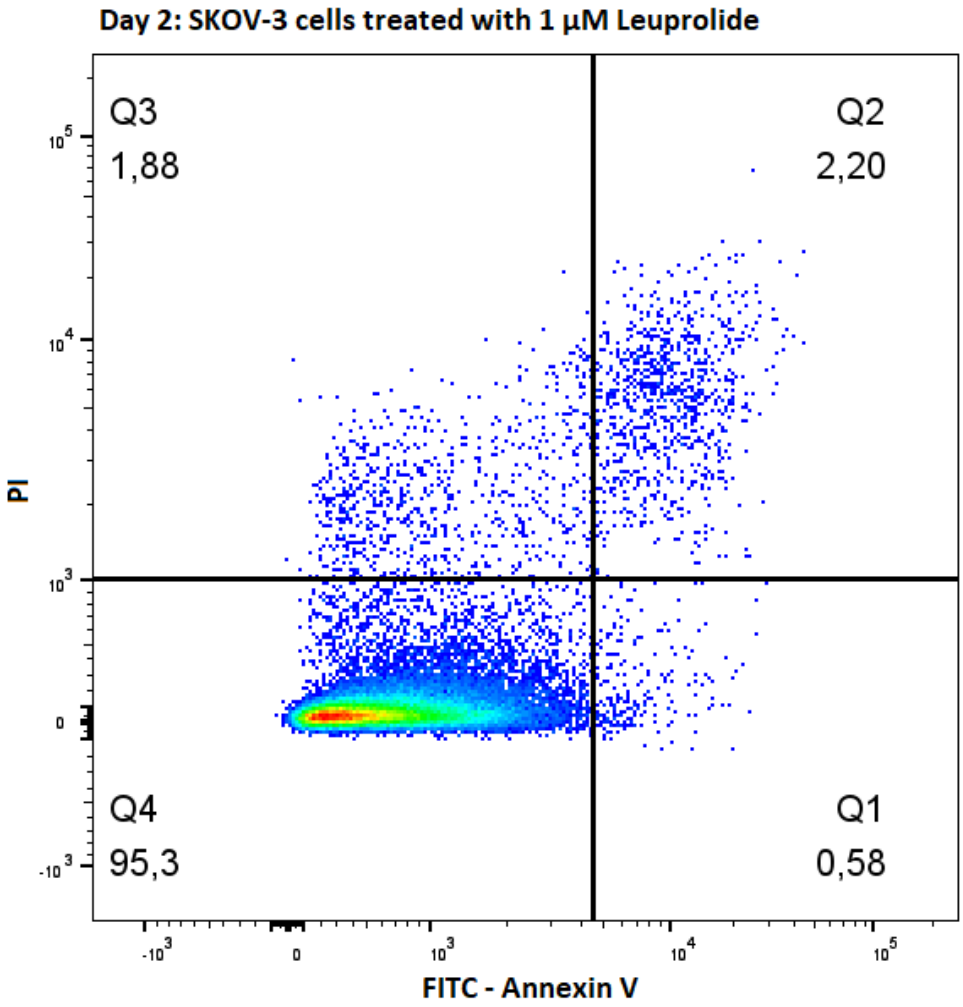


Figure S11. Determination of viability, apoptosis, or necrosis of SKOV-3 cells after their treatment with 1 µM leuprolide for 2 days at 37°C. The figure is from a representative experiment performed three times with similar results. The mean ± SEM (Standard Error of the Mean) values of apoptotic cells are shown in Table 1 and Figure 7. Detailed information is provided in the legend of Figure 6.

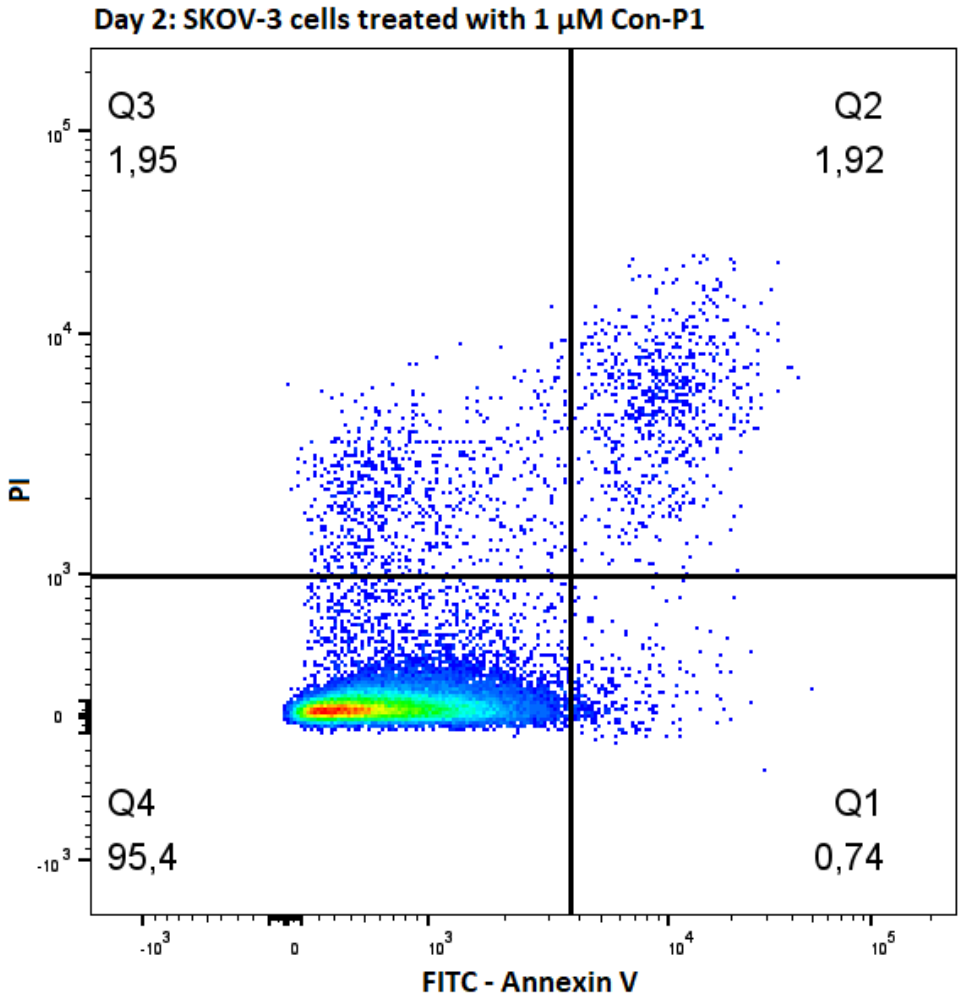


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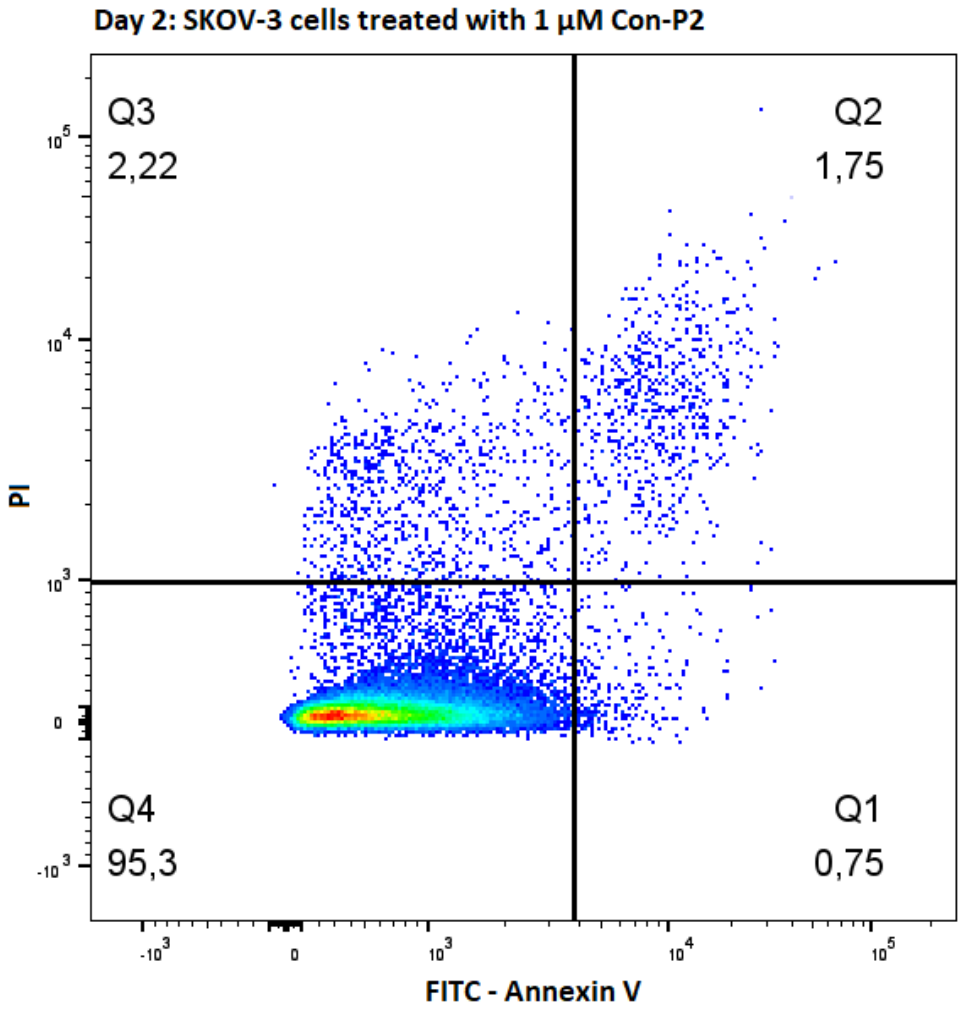


Figure S13. Determination of viability, apoptosis, or necrosis of SKOV-3 cells after their treatment with 1 µM Con-P2 for 2 days at 37°C. The figure is from a representative experiment performed three times with similar results. The mean ± SEM (Standard Error of the Mean) values of apoptotic cells are shown in Table 1 and Figure 7. Detailed information is provided in the legend of Figure 6.

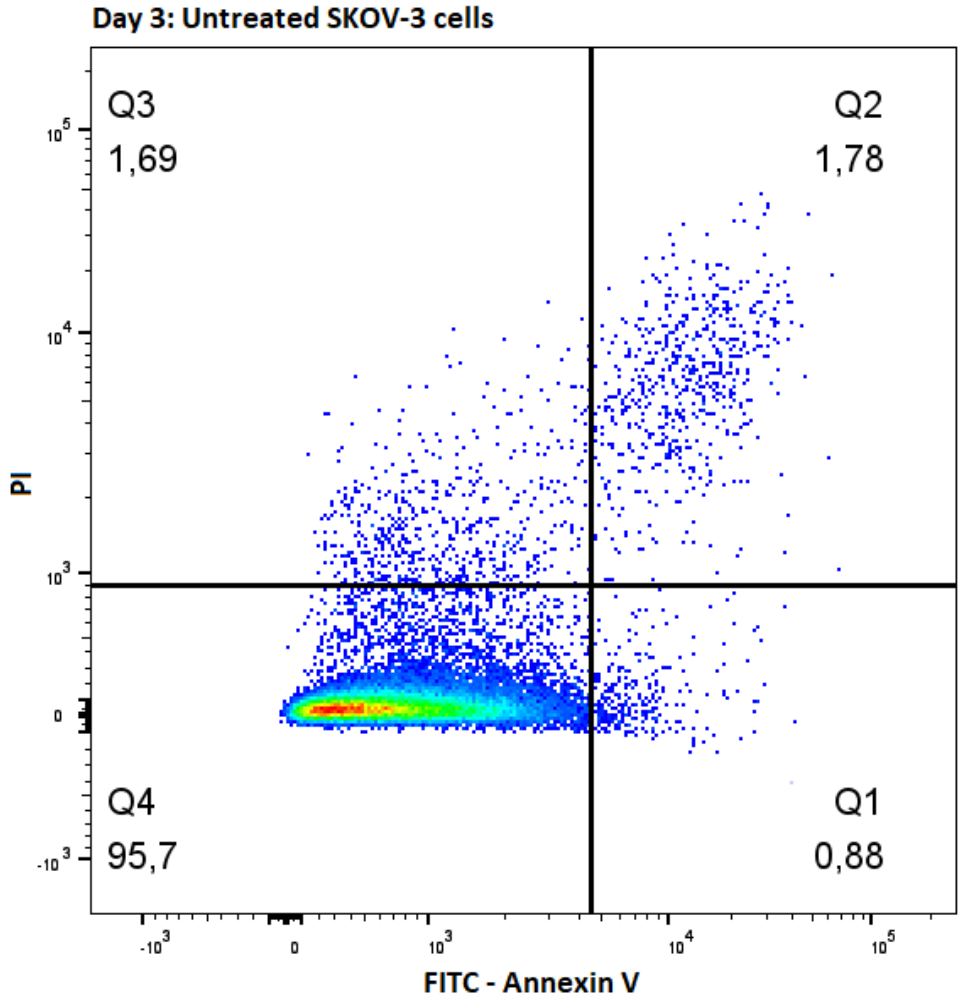


Figure S14. Determination of viability, apoptosis, or necrosis of untreated SKOV-3 cells at day 3. The figure is from a representative experiment performed three times with similar results. The mean ± SEM (Standard Error of the Mean) values of apoptotic cells are shown in Table 1 and Figure 7. Detailed information is provided in the legend of Figure 6.

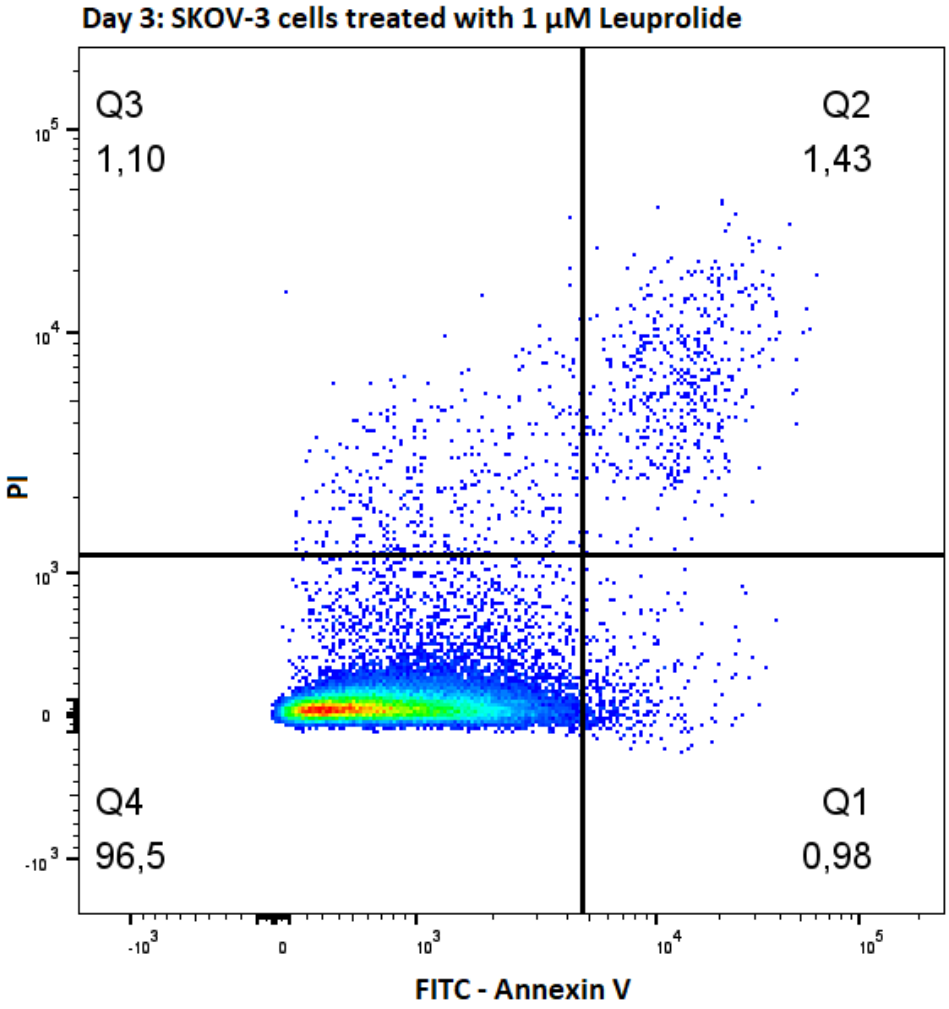


Figure S15. Determination of viability, apoptosis, or necrosis of SKOV-3 cells after their treatment with 1 µM leuprolide for 3 days at 37°C. The figure is from a representative experiment performed three times with similar results. The mean ± SEM (Standard Error of the Mean) values of apoptotic cells are shown in Table 1 and Figure 7. Detailed information is provided in the legend of Figure 6.

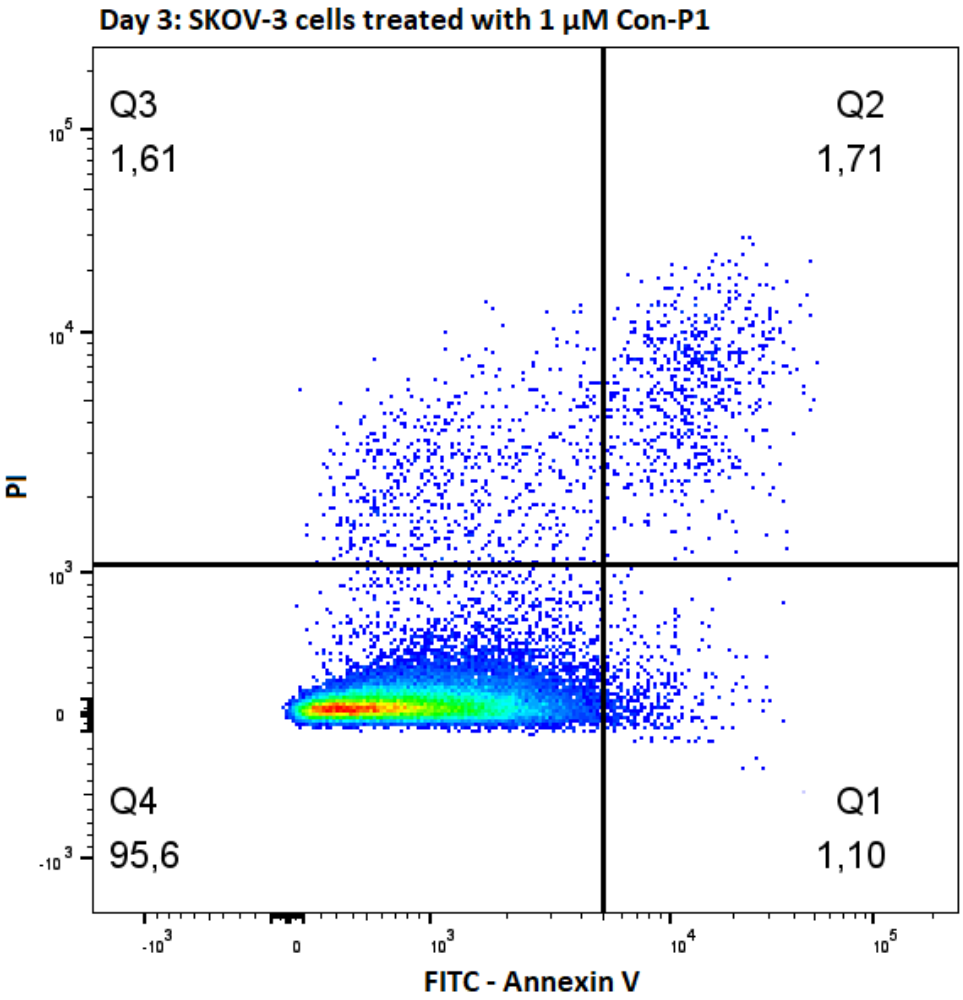


Figure S16. Determination of viability, apoptosis, or necrosis of SKOV-3 cells after their treatment with 1 µM Con-P1 for 3 days at 37°C. The figure is from a representative experiment performed three times with similar results. The mean ± SEM (Standard Error of the Mean) values of apoptotic cells are shown in Table 1 and Figure 7. Detailed information is provided in the legend of Figure 6.

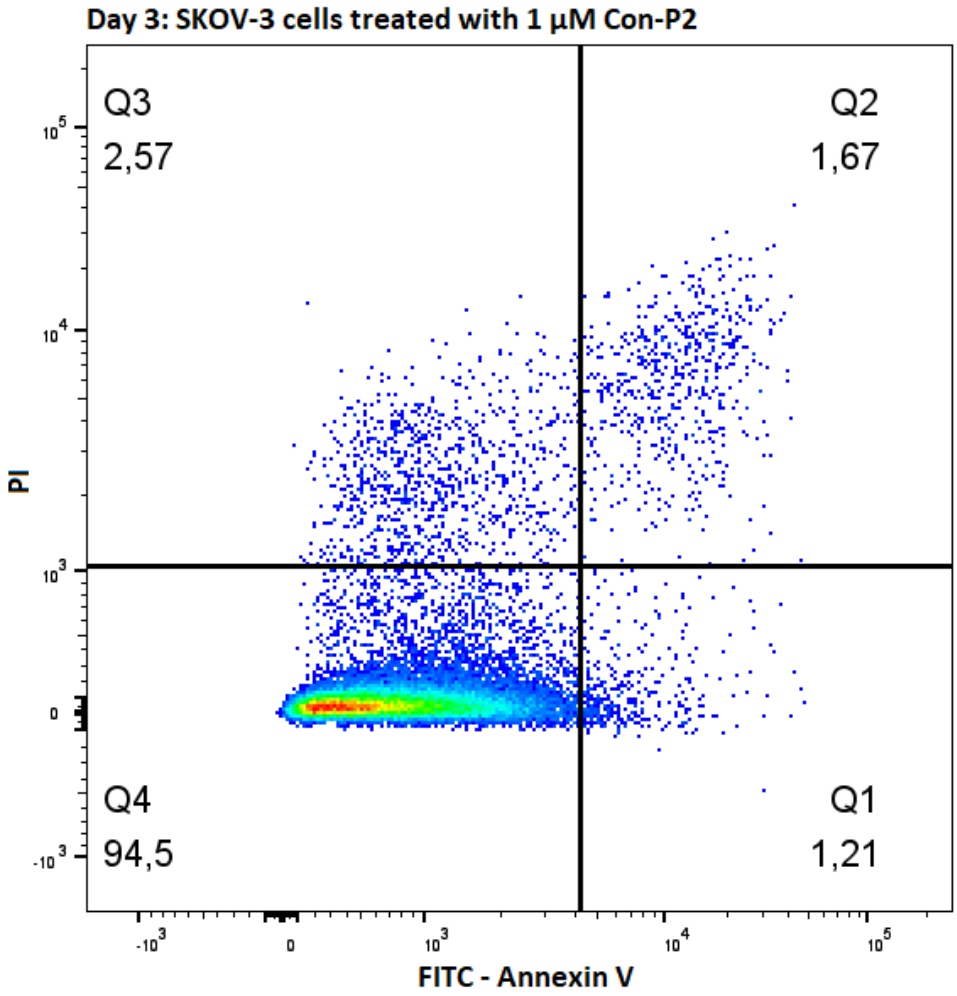


Figure S17. Determination of viability, apoptosis, or necrosis of SKOV-3 cells after their treatment with 1 µM Con-P2 for 3 days at 37°C. The figure is from a representative experiment performed three times with similar results. The mean ± SEM (Standard Error of the Mean) values of apoptotic cells are shown in Table 1 and Figure 7. Detailed information is provided in the legend of Figure 6.

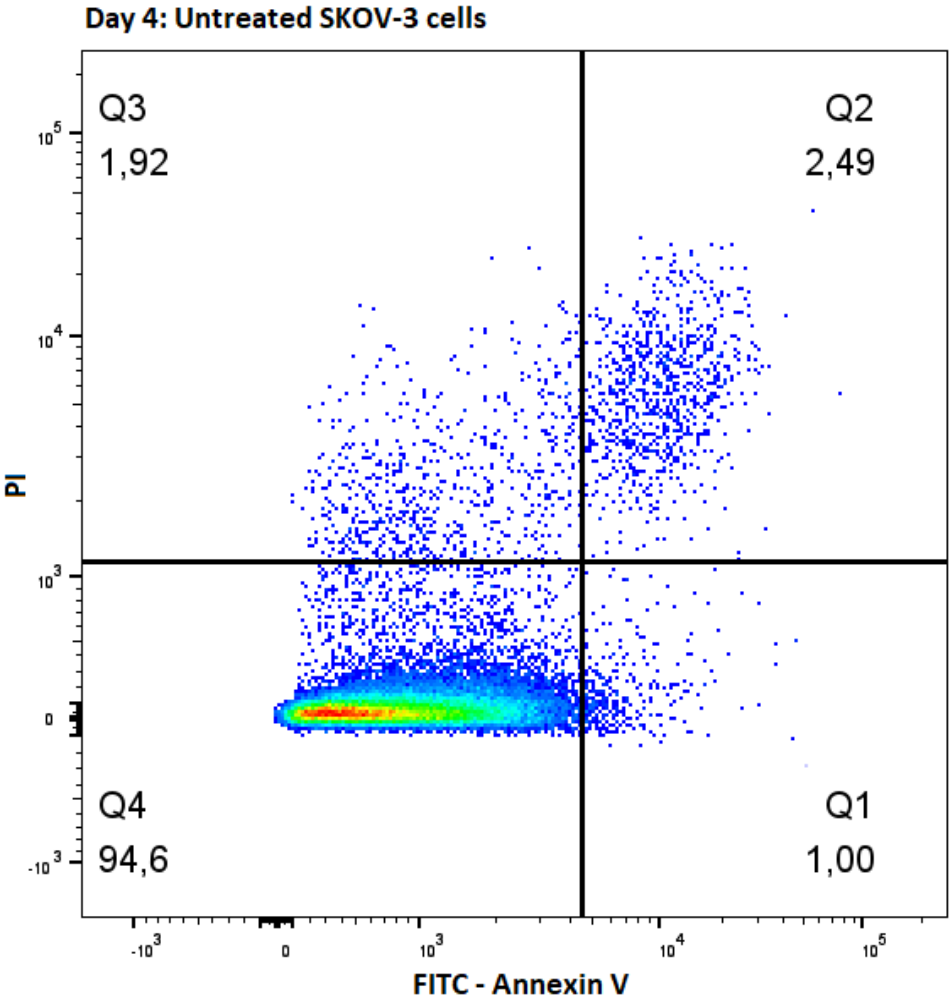


Figure S18. Determination of viability, apoptosis, or necrosis of untreated SKOV-3 cells at day 4. The figure is from a representative experiment performed three times with similar results. The mean ± SEM (Standard Error of the Mean) values of apoptotic cells are shown in Table 1 and Figure 7. Detailed information is provided in the legend of Figure 6.

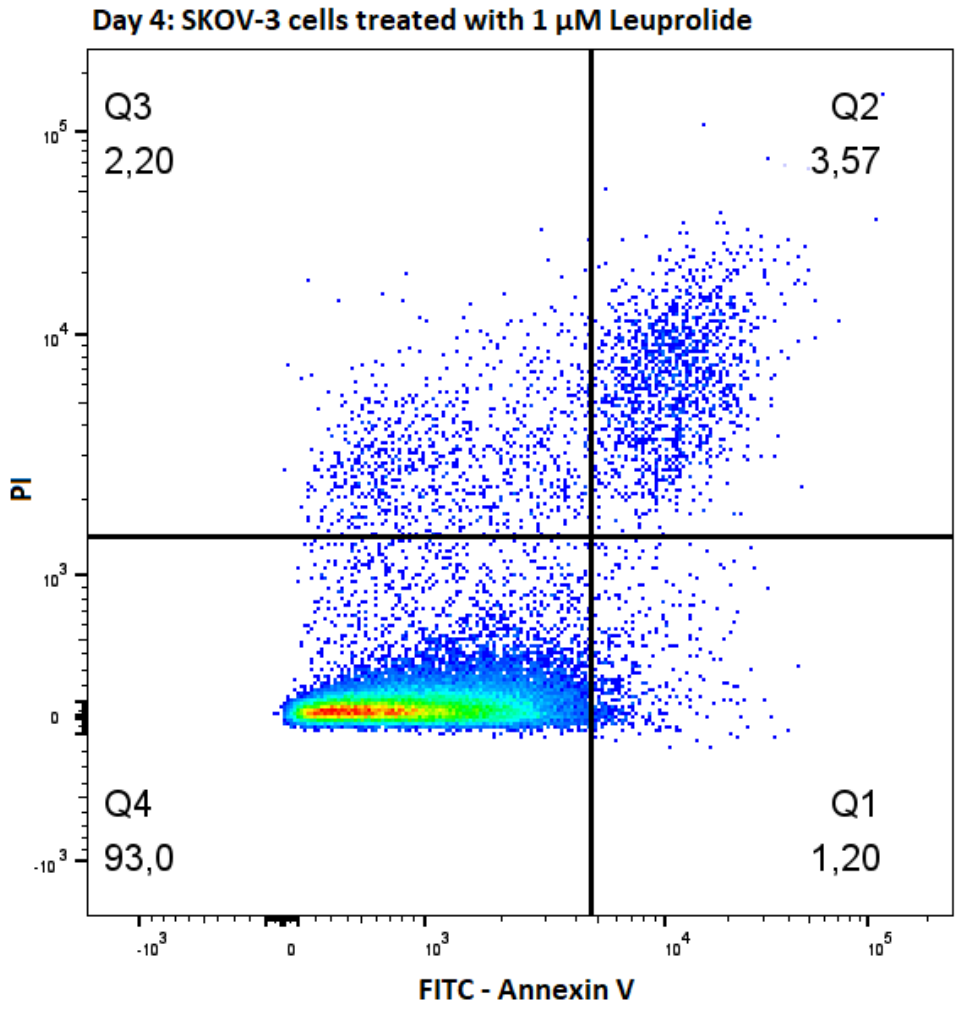


Figure S19. Determination of viability, apoptosis, or necrosis of SKOV-3 cells after their treatment with 1 µM leuprolide for 4 days at 37°C. The figure is from a representative experiment performed three times with similar results. The mean ± SEM (Standard Error of the Mean) values of apoptotic cells are shown in Table 1 and Figure 7. Detailed information is provided in the legend of Figure 6.

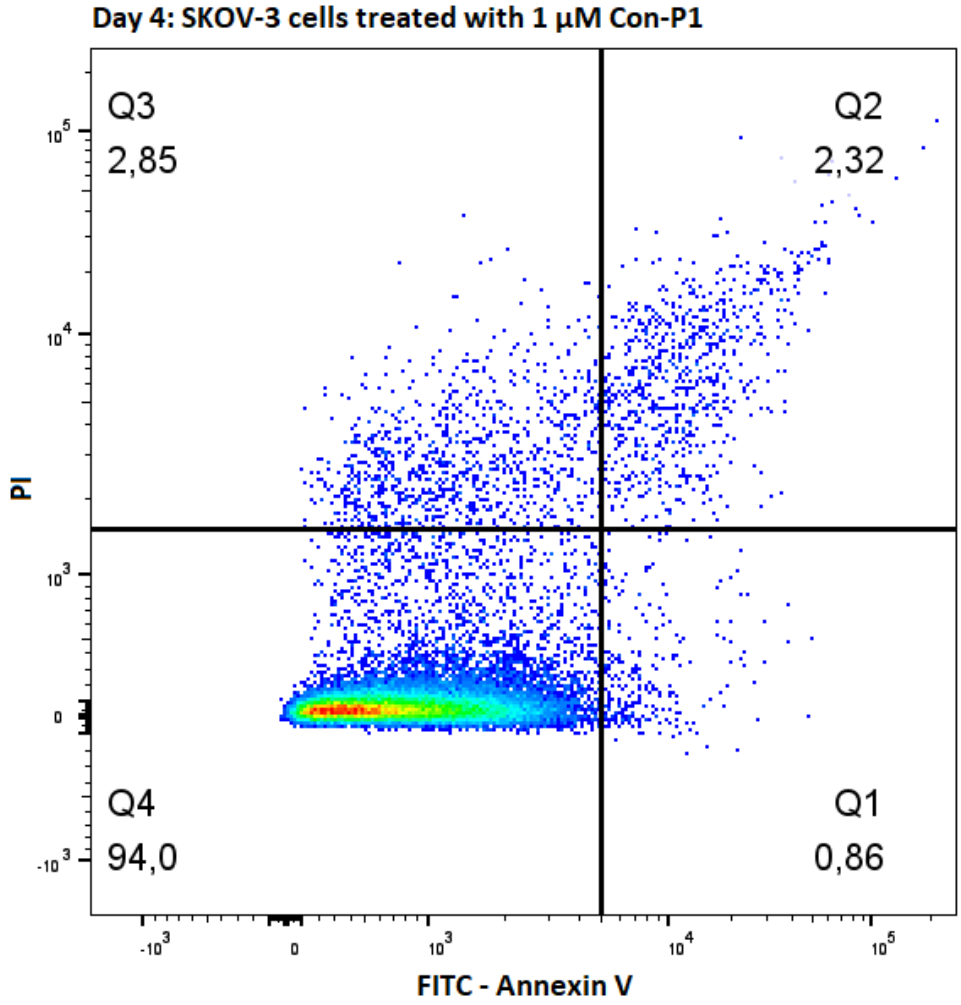


Figure S20. Determination of viability, apoptosis, or necrosis of SKOV-3 cells after their treatment with 1 µM Con-P1 for 4 days at 37°C. The figure is from a representative experiment performed three times with similar results. The mean ± SEM (Standard Error of the Mean) values of apoptotic cells are shown in Table 1 and Figure 7. Detailed information is provided in the legend of Figure 6.

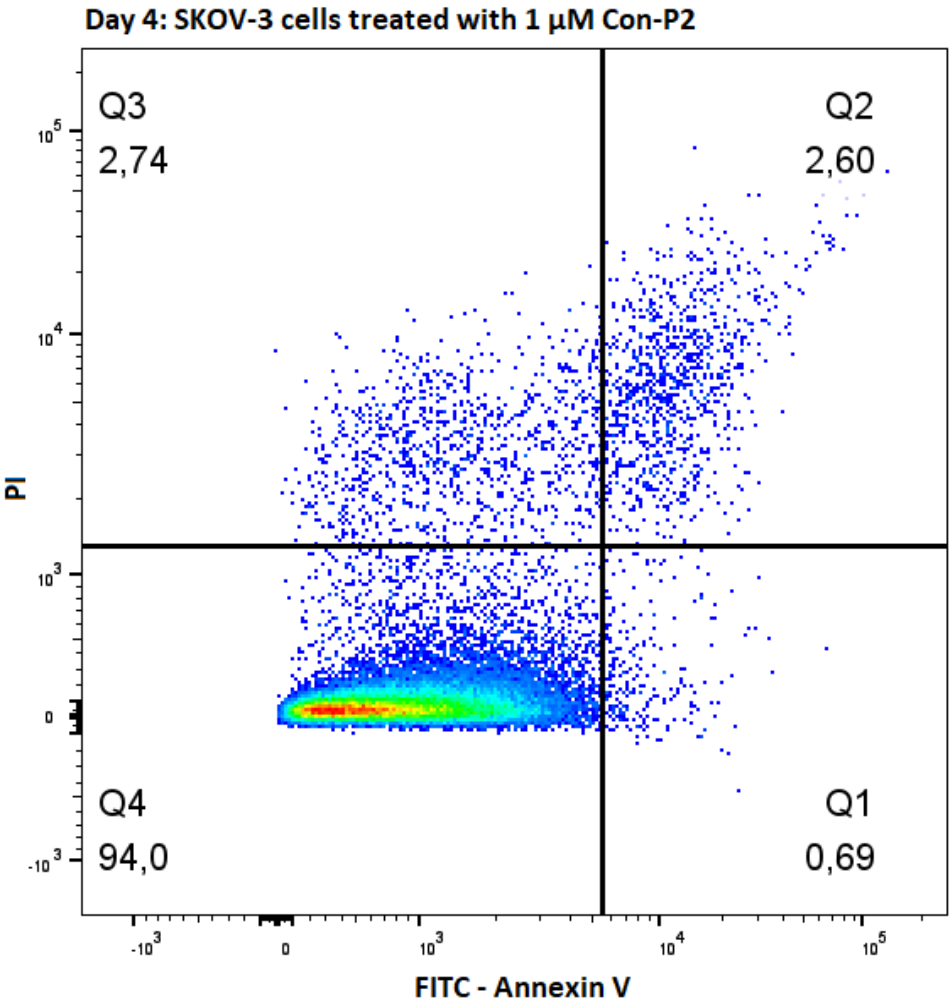


Figure S21. Determination of viability, apoptosis, or necrosis of SKOV-3 cells after their treatment with 1 µM Con-P2 for 4 days at 37°C. The figure is from a representative experiment performed three times with similar results. The mean ± SEM (Standard Error of the Mean) values of apoptotic cells are shown in Table 1 and Figure 7. Detailed information is provided in the legend of Figure 6.