

Supplementary Material (ESI) for Photochemical & Photobiological Sciences
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Electronic Supplementary Information

**Fluorescence Characterisation of Multiply-Loaded Anti-HER2 Single Chain Fv-
Photosensitizer Conjugates Suitable for Photodynamic Therapy**

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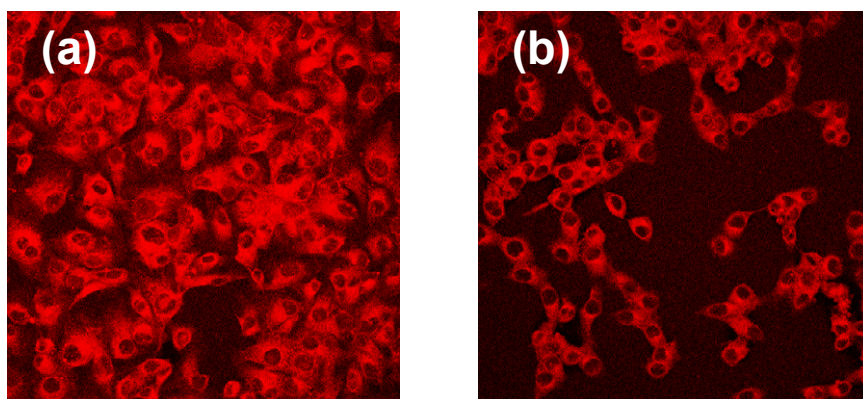
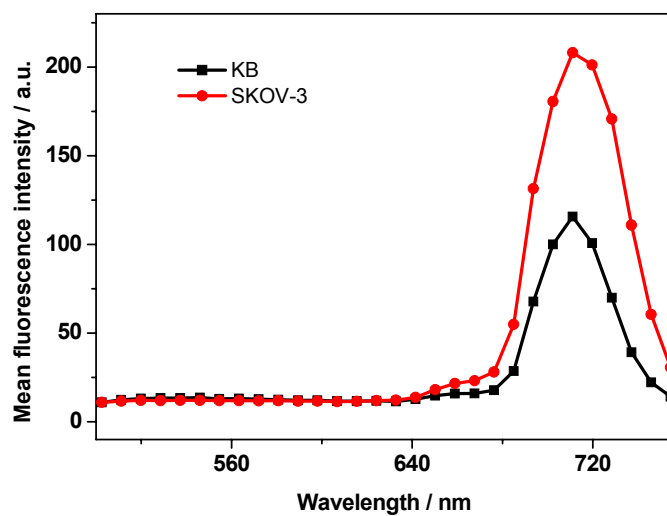


Fig 1 Fluorescence spectra and corresponding confocal fluorescence images (650-730 nm detection) obtained from fixed HER2-positive SKOV-3 cells (a) and HER2-negative KB cells incubated with C6.5-VP.

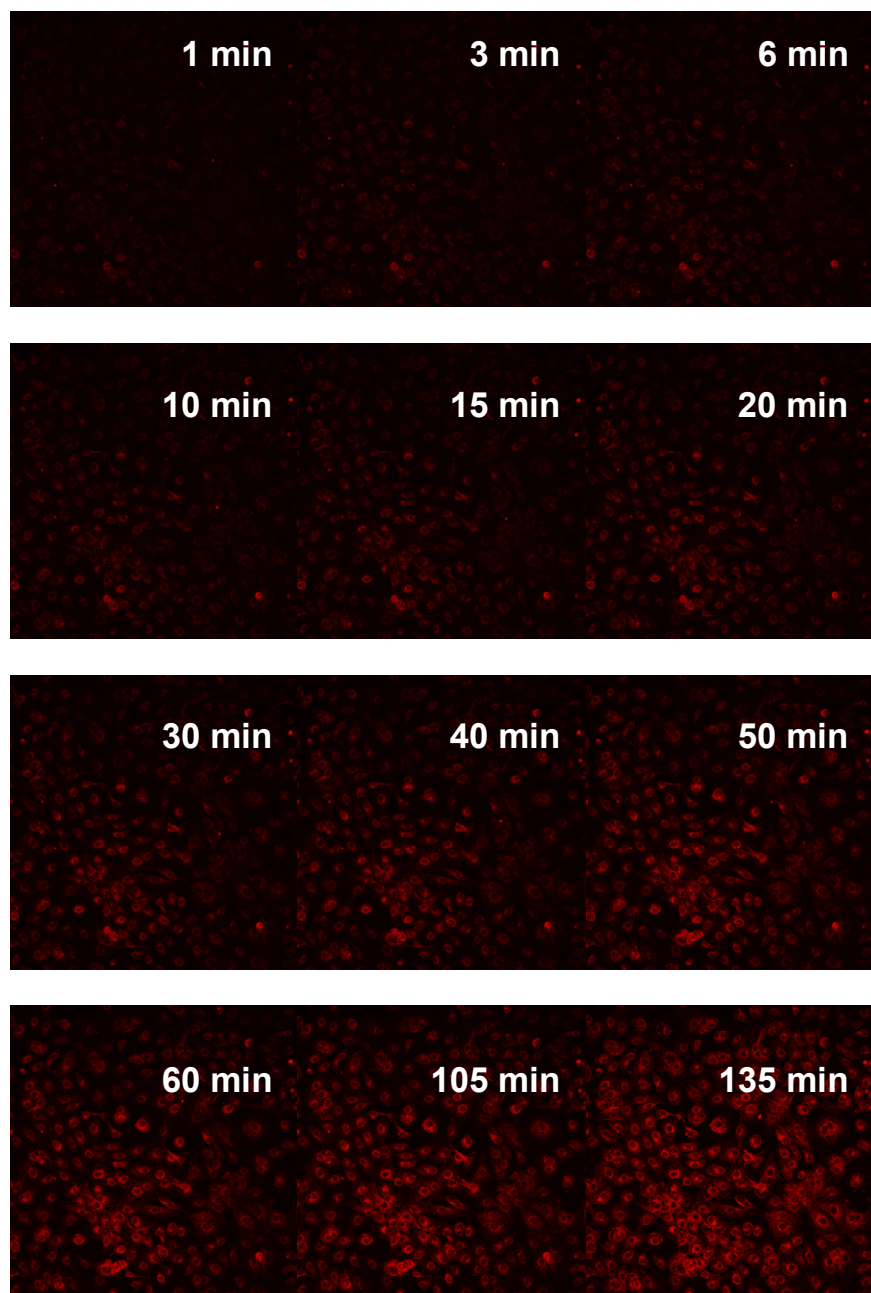


Fig 2 A series of confocal fluorescence images recorded for SKOV-3 cells at different time points during incubation with 1 μM solution of free verteporfin (VP) in culture medium.

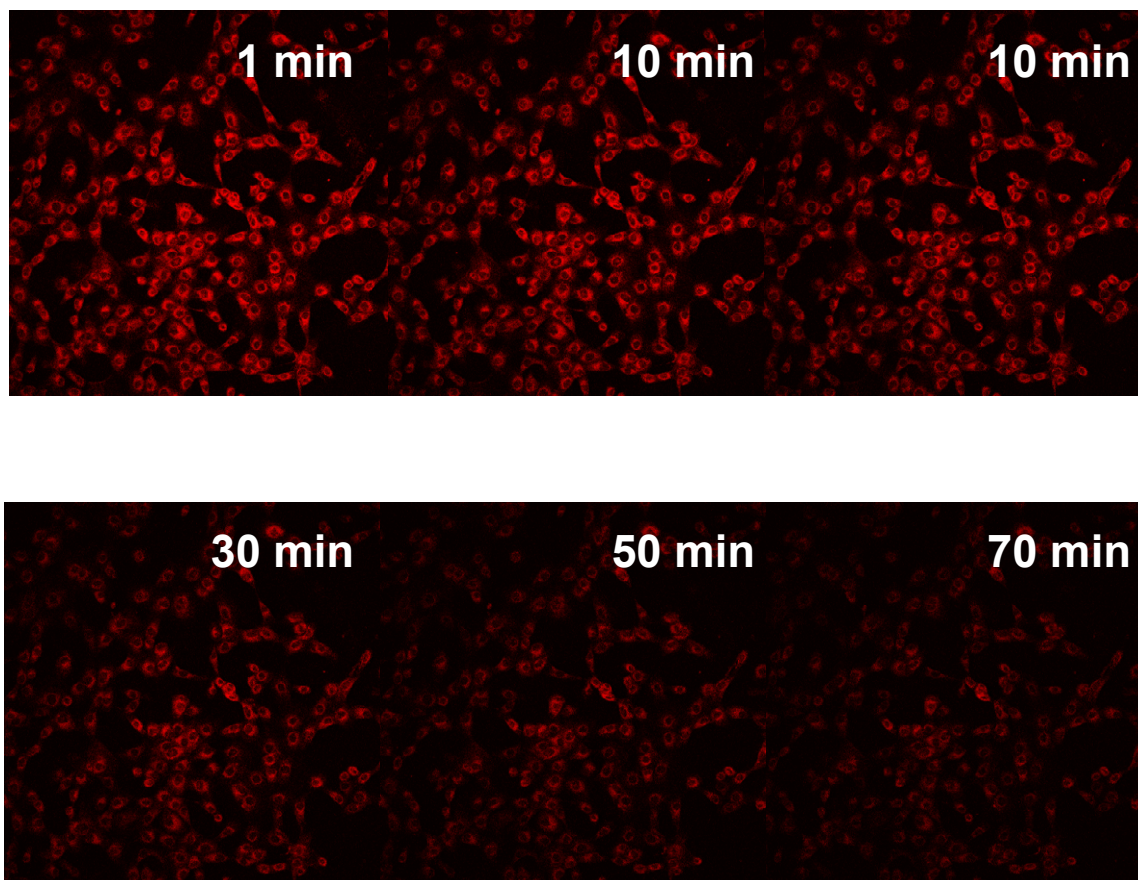


Fig. 3 A series of confocal fluorescence images recorded for SKOV-3 cells at different time points following replacement of $1\mu\text{M}$ solution of free verteporfin (VP) in culture medium with blank culture medium. Prior to washing and medium change the cells were incubated with VP for 2.5h.

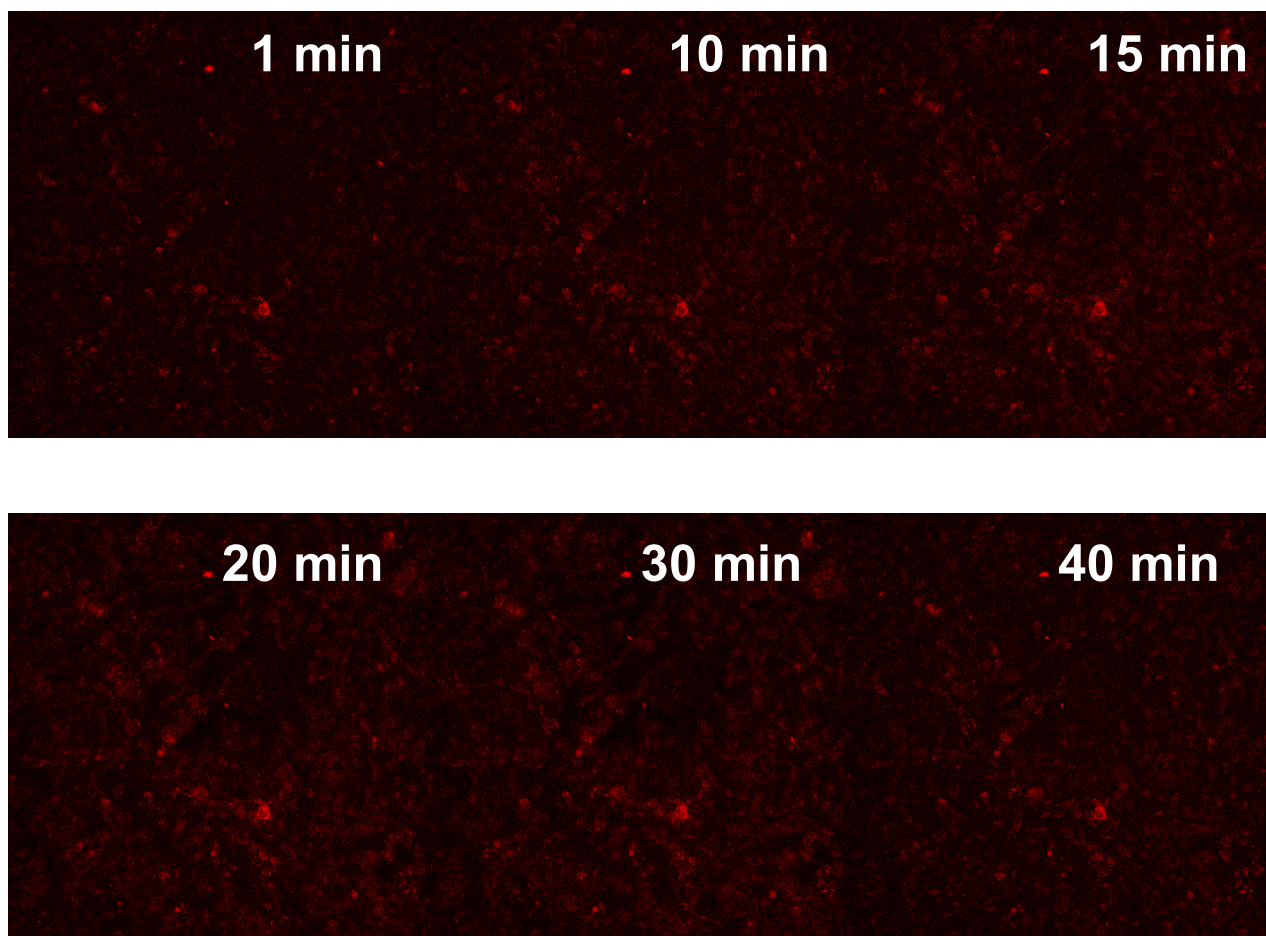


Fig 4 A series of confocal fluorescence images recorded for SKOV-3 cells at different time points during incubation with solution of C6.5-VP in culture medium.

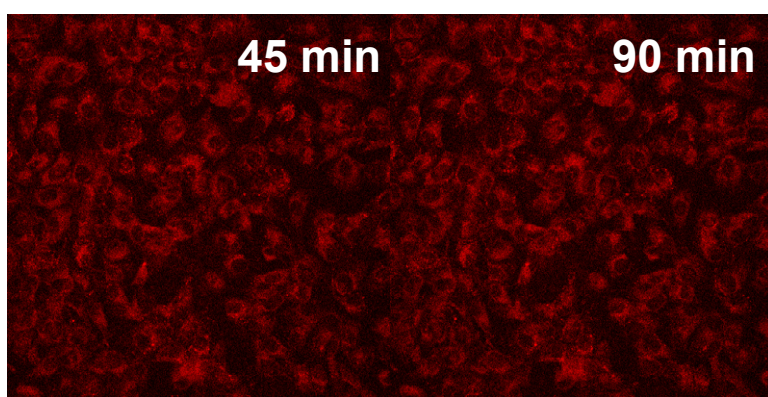
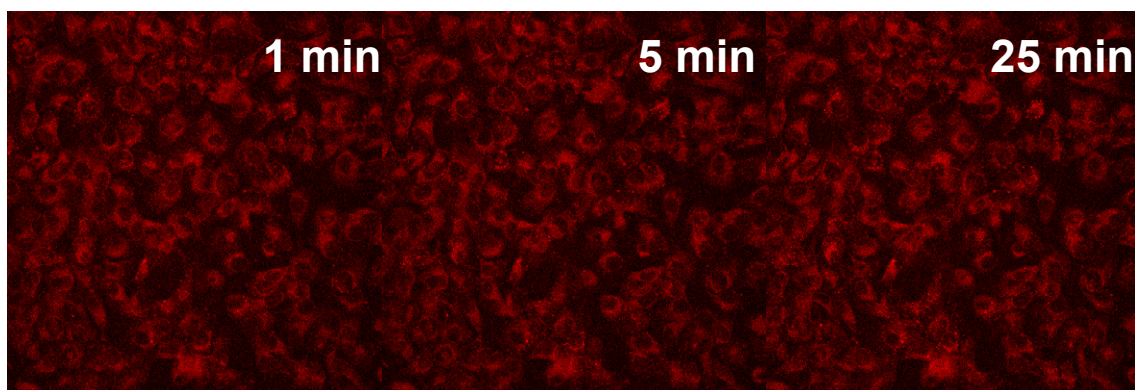


Fig. 5 A series of confocal fluorescence images recorded for SKOV-3 cells at different time points following replacement of solution of C6.5-VP in culture medium with fresh culture medium. Prior to washing and medium change the cells were incubated with C6.5-VP for 30 min.

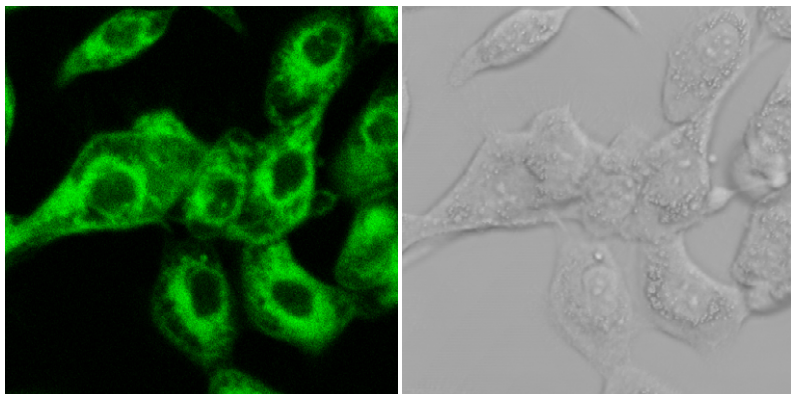


Fig. 6 Confocal fluorescence and transmission images recorded for SKOV-3 cells incubated with free VP for 30 min (650-730 nm detection).