Latent Bacterial Cells Residing Inside Macrophages Can Be Spotted With pH-sensitive Fluorescent FRET Probe in Poly-meric Micellar Formulation

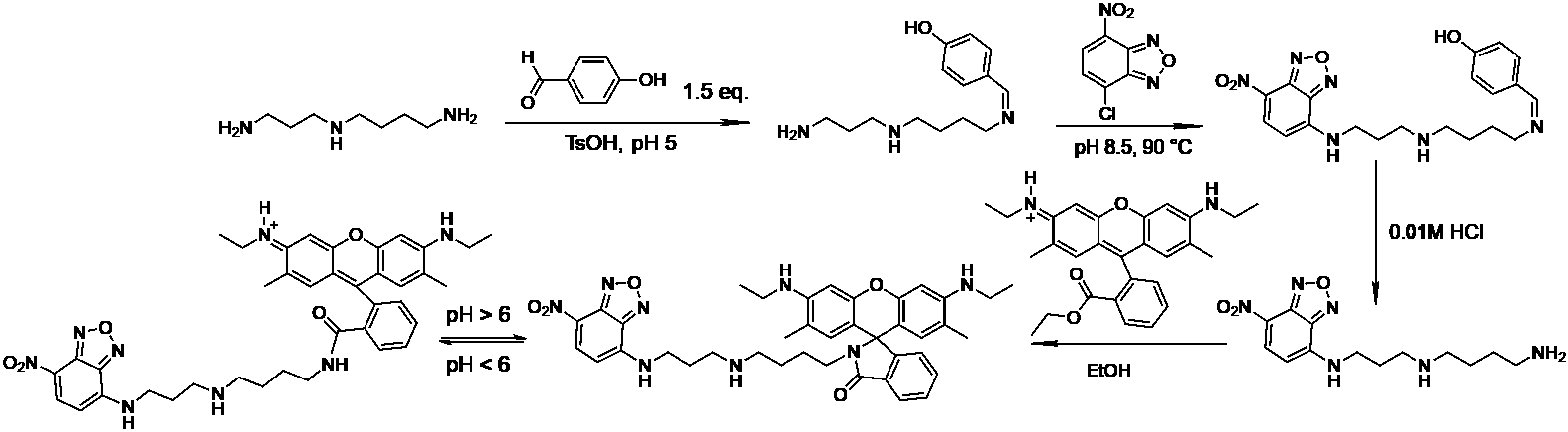
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**Figure S1.** Synthesis scheme of the pH-sensitive fluorophore NBD-spd-R6G. The products are a mixture of isomers (because spermidine is not symmetrical).



**Figure S2.** FTIR spectra of initial compounds, intermediate substances, and product of synthesis of pH-sensitive fluorophore R6G-spd-NBD: (**a**) stage 1, (**b**) stage 2, (**c**) stage 3, (**d**) stage 4. Aqueous solutions. T = 22 °C.

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| A graph of different types of chemical formulas  Description automatically generated with medium confidence |
| (**a**) |
| **A graph of different colored lines  Description automatically generated** |
| (**b**) |
|  |
| (**c**) |
| A graph of different types of chemical formulas  Description automatically generated with medium confidence |
| (**d**) |

**Figure S3.** 1H NMR spectra of NBD-spd. T = 22 °C. DMSO-d6, 500 MHz.

A graph of a chemical reaction

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**Figure 6**. Confocal laser scanning microscopy images of HEK293T normal cells labeled with R6G or R6G-spd-NBD (1 µg/mL for all markers). λexci = 488 nm, λemi = 510–560 nm (green), λemi = 560–800 nm (red). The green and red channels are shown, as well as a brightfield and merge. The scale segment is 60 µm. “Micelles” means Chit5-LA polymeric micelles. Cmic = 0.1 mg/mL.

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