**Supplementary Table 1.** Cell toxicity assay: optical density values of Vero cells after the addition of BNZ-MP.

|  |  |  |
| --- | --- | --- |
| Sample | Optical density (O.D.)\* | Standard deviation (S.D.) |
| VERO cells | 0.594 | 0.088 |
| BNZ 50 (µg/mL)  | 0.782 | 0.098 |
| RL 50 (µg/mL) | 0.640 | 0.032 |
| RL 25 (µg/mL) | 0.644 | 0.102 |
| RL 10 (µg/mL) | 0.755 | 0.092 |
| RS 50 (µg/mL) | 0.572 | 0.121 |
| RS 25 (µg/mL) | 0.651 | 0.091 |
| RS 10 (µg/mL) | 0.748 | 0.074 |

\* The O.D. was determined by UV-vis spectrophotometric at a wavelength of 578 nm.

Cell viability assay by 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide (MTT) showed no significant differences after the addition of BNZ-MP.

Data were collected from three independent experiments in duplicate.

**Supplementary Table 2.** Hemolytic assay: optical density values of blood before and after addition of BNZ-MP.

|  |  |  |
| --- | --- | --- |
| Sample | Optical density (O.D.)\* | Standard deviation (S.D.) |
| Positive Control (Triton X-100, 10%) | 1.420 | 0.018 |
| Negative Control (blood) | 0.260 | 0.009 |
| BNZ 100 (µg/mL) | 0.320 | 0.083 |
| BNZ 50 (µg/mL) | 0.265 | 0.007 |
| RL 100 (µg/mL) | 0.281 | 0.018 |
| RL 50 (µg/mL) | 0.274 | 0.013 |
| RL 25 (µg/mL) | 0.272 | 0.012 |
| RL 10 (µg/mL) | 0.275 | 0.012 |
| RS 100 (µg/mL) | 0.274 | 0.013 |
| RS 50 (µg/mL) | 0.275 | 0.007 |
| RS 25 (µg/mL) | 0.273 | 0.009 |
| RS 10 (µg/mL) | 0.274 | 0.001 |

\* The O.D. was determined by UV-vis spectrophotometric at a wavelength of 540 nm.

Data were collected from three independent experiments in duplicate.