

Cover Sheet

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| Manuscript Title | Characterization of Synergistic Embryotoxicity of Nickel and Buprofezin in Zebrafish |
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| Total Pages | 1 |
| Total Tables | 1 |

1 **Table S1. Analyses of individual chemical- and mixture-concentration response**

| | Nonlinear regression model ^A | Formula ^B | NOEC (mg/L) ^C |
|------------|---|--|--------------------------|
| Ni | Hill | $y = a + (b - a) \times x^c / (k^c + x^c)$ | 200 |
| Buprofezin | Langmuir | $y = 1 / (a + b \times x^{c-1})$ | 200 |
| 1:1 mix | Hill | $y = a + (b - a) \times x^c / (k^c + x^c)$ | 5 |

2 ^A Nonlinear regression functions employed in this study according to the "best fit" approach. ^B

3 y is the mean effect; a, b, c, and k are model parameters; and x is the concentration of the

4 test chemical. ^C The largest tested concentration that produced effects not significantly

5 different from those of untreated controls. Determined using the Dunnett test.