

Table S1. Physicochemical properties of azoxystrobin.

Molecular Formula	C ₂₂ H ₁₇ N ₃ O ₅
Molecular Weight	403.4 g/mol
Solubility in water	6 mg/L (at 20 °C)
log <i>P</i> _{ow} (at 20 °C)	2.5
p <i>K</i> _a	not applicable

Data obtained according to Pubchem (NIH, National Library of Medicine)

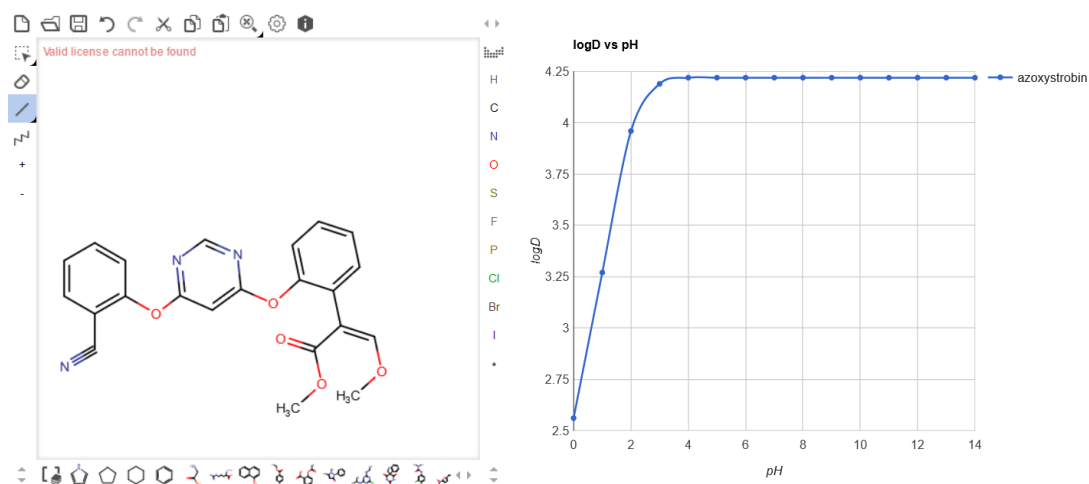


Figure S1. Chemical structure and logD of azoxystrobin. Partitioning was calculated by the logD predictor of Chemaxon (open source).

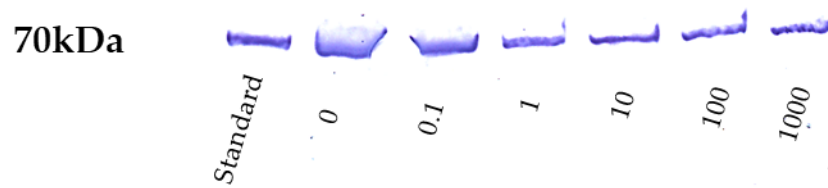


Figure S2. Representative SDS-PAGE images of Hsp70.

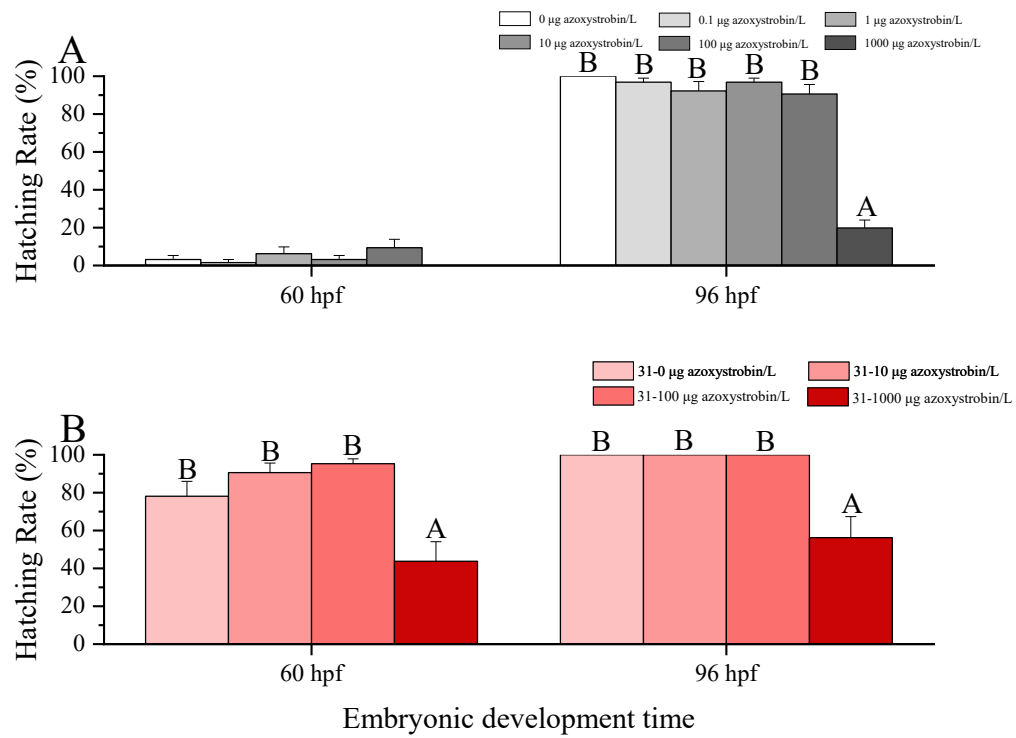


Figure S3. The effect of azoxystrobin on the hatching rate of zebrafish embryos at 26 °C and 31 °C. Values are mean $\pm$ SE. Different letters indicate a significant difference ($P < 0.05$).

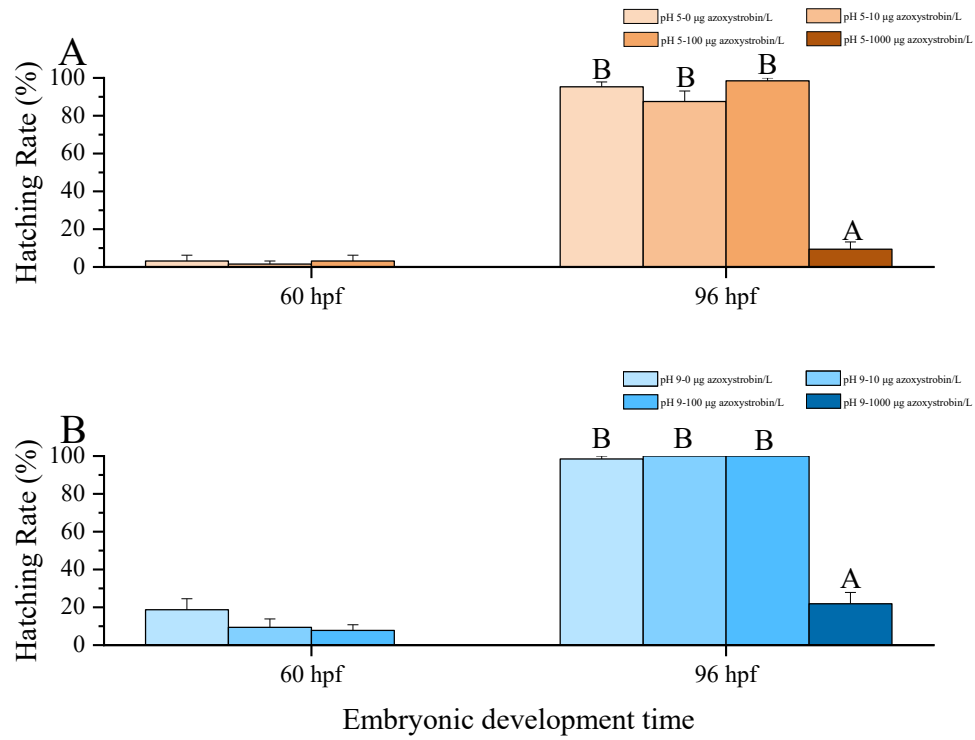


Figure S4. The effect of azoxystrobin on the hatching rate of zebrafish embryos at different pH. Values are means $\pm$ SE. Different letters indicate a significant difference ($P < 0.05$).

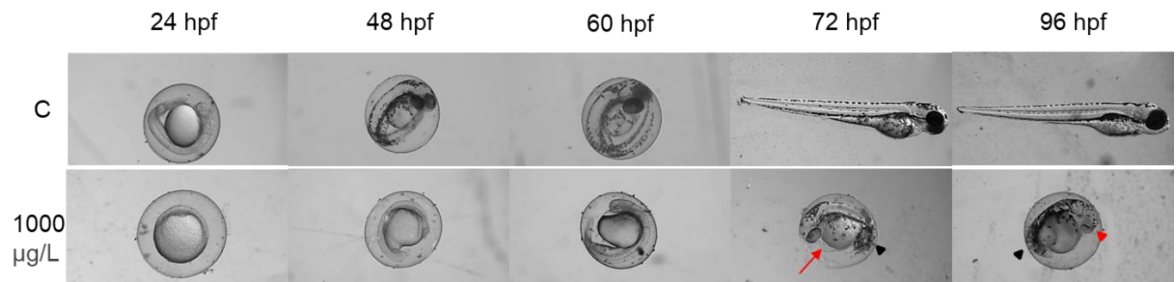


Figure S5. Embryonic development in the 0 and 1000ug/L Azoxystrobin treatment groups at 24-96 hpf at 26°C, pH 7. Red arrows mark edemas, red triangles eye defects, black arrows spinal curvature, and black triangles mark tail defects.

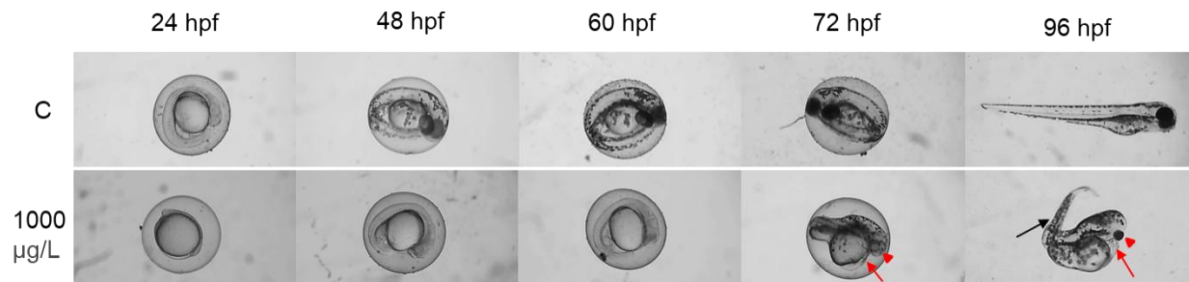


Figure S6. Embryonic development in the 0 and 1000ug/L Azoxystrobin treatment groups at 24-96 hpf at pH 5. Red arrows mark edemas, red triangles eye defects, black arrows spinal curvature, and black triangles mark tail defects.

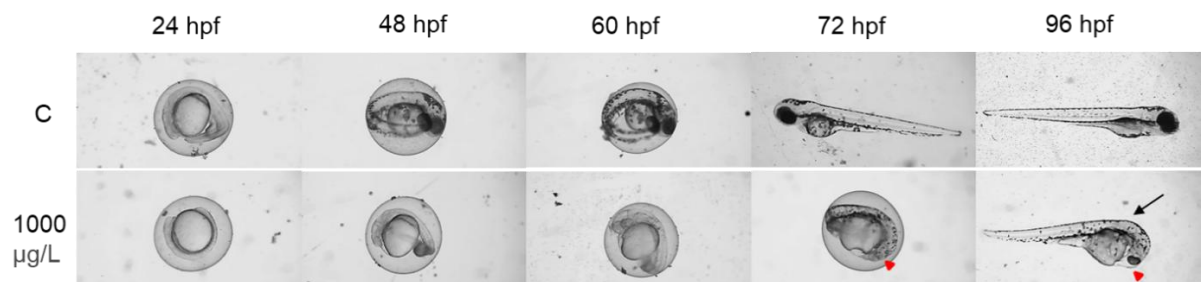


Figure S7. Embryonic development in the 0 and 1000ug/L Azoxystrobin treatment groups at 24-96 hpf at pH 9. Note: Red arrows mark edemas, red triangles eye defects, black arrows spinal curvature, and black triangles mark tail defects.

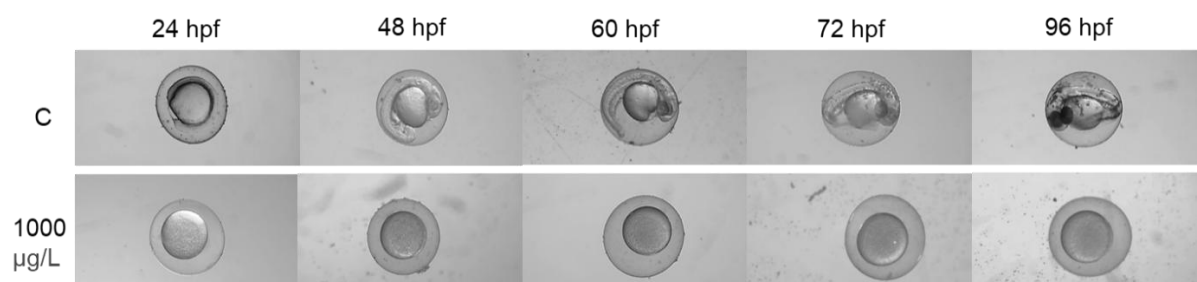


Figure S8. Embryonic development in the 0 and 1000ug/L Azoxystrobin treatment groups at 24-96 hpf at 21 °C. Note: Red arrows mark edemas, red triangles eye defects, black arrows spinal curvature, and black triangles mark tail defects.

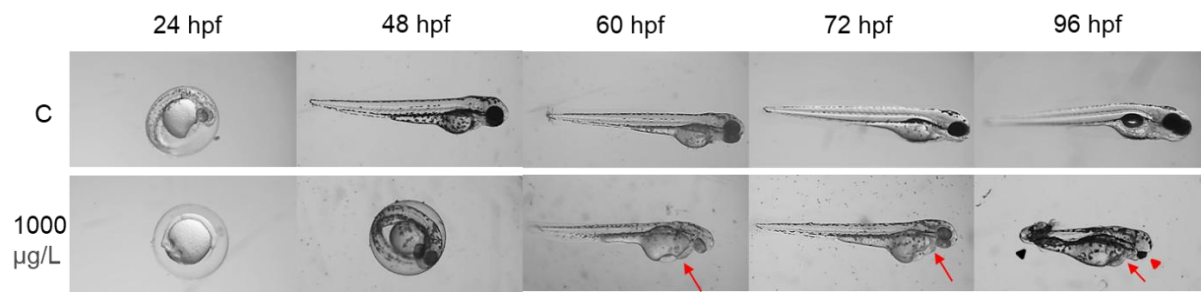


Figure S9. Embryonic development in the 0 and 1000ug/L Azoxystrobin treatment groups at 24-96 hpf at 31 °C. Note: Red arrows mark edemas, red triangles eye defects, black arrows spinal curvature, and black triangles mark tail defects.