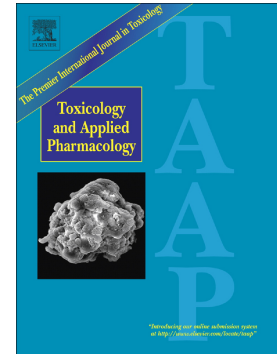


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Effects of monocrotophos pesticide on cholinergic and dopaminergic neurotransmitter systems during early development in the sea urchin *Hemicentrotus pulcherrimus*

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AChE, acetylcholinesterase; ACh, acetylcholine; 5-HT, serotonin; DA, dopamine; MCP, monocrotophos; hpf, hour post fertilization; ChAT, acetyltransferase; TH, tyrosine hydroxylase; DRs, dopamine receptors; DAT, dopamine transporter; MAO, monoamine oxidase; FSW, filtered seawater; PBS, phosphate buffer solution; ELISA, enzyme-linked immunosorbent assay; *DRD₁*, dopamine receptor D₁; PCR, polymerase chain reaction; NE, norepinephrine; E, epinephrine.

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