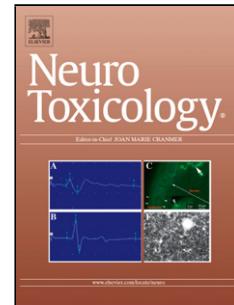


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Title: L- β -N-methylamino-L-alanine (BMAA) nitrosation generates a cytotoxic DNA damaging alkylating agent: An unexplored mechanism for neurodegenerative disease

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L- β -N-methylamino-L-alanine (BMAA) nitrosation generates a cytotoxic DNA damaging alkylating agent: an unexplored mechanism for neurodegenerative disease.

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Highlights (Potjewyd et al)

- A novel mechanism of L- β -N-methylamino-L-alanine (BMAA) toxicity is proposed.
- N-Nitrosation of BMAA results in an alkylating agent that causes DNA strand breaks.
- Nitrosated BMAA is toxic to the human neuroblastoma cell line SH-SY5Y.
- Endogenous nitrosation of BMAA may help to cause neurodegenerative disease

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