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Titolo	Analysis, occurrence, and toxicity of c-methylaminoalanine (BMAA) [[electronic resource]] : a risk for the consumer?
Pubbl/distr/stampa	Copenhagen, : Nordic Council of Ministers, c2007
Descrizione fisica	1 online resource (131 p.)
Collana	TemaNord ; ; 2007:561
Soggetti	Amino acids - Toxicology Neurotoxic agents Electronic books.
Lingua di pubblicazione	Inglese
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Note generali	At head of title: Norden.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	<p>""Content""; ""Preface""; ""Summary in English""; "" 1. Introduction""; "" 2. A historical perspective on the link between BMAA exposure and degenerative neurological disease""; ""2.1 Conclusions on cycad and BMAA exposure and degenerative neurological disease""; ""3. Case reports on animals, toxicological studies on cycad materials and preparations ""; ""3.1 Case reports on animals""; ""3.2 Studies on primates fed preparations from Cycas circinalis""; ""3.3 Studies on rodents fed preparations from Cycas circinalis""; ""3.4 Rodent studies on other cycad species than C. circinalis""</p> <p>""3.5 Conclusions on case reports and toxicological studies performed with cycad preparations. """"4. BMAA as a natural toxicant in cycads and studies on BMAA toxicity""; ""4.1 Biosynthesis""; ""4.2 Effects in plants a €? a possible mechanism of action""; ""4.3 Toxicokinetics""; ""4.4 In vivo studies ""; ""4.5 Studies on infusion of BMAA directly into brain or brain ventricles""; ""4.6 In vitro studies ""; ""4.7 Conclusions on BMAA as a natural toxicant in cycads and on studies of BMAA toxicity""; ""5. Identity and physical and chemical properties of BMAA, and its chemical analysis""</p> <p>""5.1 Identity """"5.2 Physical and chemical properties""; ""5.3 Carbamates""; ""5.4 Bound BMAA""; ""5.5 Methods of analysis""; ""5.6 Development of an LC-MS/MS method and analysis of BMAA in cycads and cyanobacteria""; ""5.7 Analysis of cyanobacteria with HPLC and the</p>

ninhydrin reaction"; " 5.8 Conclusion on physical and chemical properties of BMAA and methods of analysis"; "6. Occurrence of BMAA i cycads"; "6.1 Cycad plants from the genus Cycas"; "6.2 Cycad flour"; "6.3 Conclusions on occurrence of BMAA in cycads"
"7. The theory of biomagnification and identification of BMAA in human tissues""7.1 Flying foxes"; "7.2 Brain material and other tissues from control individuals and patients with degenerative neurological disease"; "7.3 Conclusion on the theory of biomagnification of BMAA and identification of BMAA in human tissues"; "8. Is BMAA produced by cyanobacteria "; "Conclusion on possible production of BMAA by cyanobacteria"; "9. Conclusions"; "10. Recommendations"; " Sammanfattning (Summary in Swedish)"; " 11. References"; " Annex 1"; "Summaries of epidemiological studies"
"Annex 2""Table 1. In vivo studies on cycad preparations"; " Table 2. In vivo studies on BMAA."
