



B12 the Antidote

Hydroxocobalamin toxin scavenger

Preclinical evaluation of injectable reduced hydroxocobalamin as an antidote to acute carbon monoxide poisoning.
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Vitamin B12: the forgotten micronutrient for critical care.
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Biochemical impedance on intracellular functions of vitamin B12 in chronic toxigenic mold exposures.
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A scarlet pimpernel for the resolution of inflammation? The role of supra-therapeutic doses of cobalamin, in the treatment of systemic inflammatory response syndrome (SIRS), sepsis, severe sepsis, and septic or traumatic shock.
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Antidotal treatment of cyanide poisoning.
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Mechanistic studies on the reaction between cob(II)alamin and peroxyntirite: evidence for a dual role for cob(II)alamin as a scavenger of peroxyntirous acid and nitrogen dioxide.
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High dose hydroxocobalamin administered after H₂S exposure counteracts sulfide poisoning induced cardiac depression in sheep.
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Hydroxocobalamin treatment of acute cyanide poisoning from apricot kernels.
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Hydroxocobalamin for poisoning caused by ingestion of potassium cyanide: a case study
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Inhibition of nitric oxide synthase by cobalamins and cobinamides.
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Mold Toxin Reduction of Vitamin B12 and Neurological Function
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A fatal case of acute hydrogen sulfide poisoning caused by hydrogen sulfide: hydroxocobalamin therapy for acute hydrogen sulfide poisoning.
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Carbon monoxide exposure can deplete essential antioxidants and nutrients
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B12 the Antidote - continued

Methylation - Glutathione

Remethylation defects: guidelines for clinical diagnosis and treatment.

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Glutathione revisited: a better scavenger than previously thought.

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Glutathione depletion is accompanied by increased neuronal nitric oxide synthase activity.

<http://link.springer.com/article/10.1007%2FBF02527669>

Malondialdehyde, glutathione, glutathione peroxidase and homocysteine levels in type 2 diabetic patients with and without microalbuminuria.

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Low glutathione peroxidase activity levels in patients with vitiligo.

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Evidence for accelerated rates of glutathione utilization and glutathione depletion in adolescents with poorly controlled type 1 diabetes.

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The effect of oxidative stress on human red cells glutathione peroxidase, glutathione reductase level, and prevalence of anemia among diabetics.

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Nitric Oxide and peroxynitrite

Elevated Nitric Oxide/Peroxynitrite Theory of Multiple Chemical Sensitivity: Central Role of N-Methyl-D-Aspartate Receptors in the Sensitivity Mechanism.

www.ncbi.nlm.nih.gov/pmc/articles/PMC1241647/pdf/ehp0111-001461.pdf

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Decreased Brain Levels of Vitamin B12 in Aging, Autism and Schizophrenia.

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Antioxidants as potential therapeutics for neuropsychiatric disorders.

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B12 the Antidote - continued

Nitric Oxide and peroxynitrite - continued

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Metabolic biomarkers of increased oxidative stress and impaired methylation capacity in children with autism^{1,2}

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The potential role of nitric oxide in multiple sclerosis.

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Nitric oxide and reactive oxygen species in Parkinson's disease.

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The NO/ONOO⁻ cycle as the etiological mechanism of tinnitus.

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Increased oxidative stress and altered levels of nitric oxide and peroxynitrite in Tunisian patients with chronic obstructive pulmonary disease: correlation with disease severity and airflow obstruction.

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Increased peroxynitrite activity in AIDS dementia complex: implications for the neuropathogenesis of HIV-1 infection.

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Nitric Oxide and Thyroid Health

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Hydroxocobalamin, A Nitric Oxide Scavenger, in the Prophylaxis of Migraine: an Open, Pilot Study

www.researchgate.net/publication/11158928_Hydroxocobalamin_A_Nitric_Oxide_Scavenger_in_the_Prophylaxis_of_Migraine_an_Open_Pilot_Study

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Common etiology of posttraumatic stress disorder, fibromyalgia, chronic fatigue syndrome and multiple chemical sensitivity via elevated nitric oxide/peroxynitrite.

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