

Literatur zum Artikel:

Glutamat: harmlos oder riskant

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1. Baad-Hansen, L. et al.: Effect of systemic monosodium glutamate (MSG) on headache and pericranial muscle sensitivity. *Cephalgia , International Headache Society*, 30, 68–76, 2009
2. Bellisle F.: Glutamate and the UMAMI taste: sensory, metabolic, nutritional and behavioural considerations. *Neurosci Biobehav Rev*, 23 (3), 423-38, 1999
3. Beyreuther, K. et al.: Consensus meeting: monosodium glutamate - an update. *European Journal of Clinical Nutrition*, 61, 304–13, 2007
4. Bogdanov, M.B.; Wurtman, R.J.: Effects of systemic or oral ad libitum monosodium glutamate administration on striatal glutamate release, as measured using microdialysis in freely moving rats. *Brain Research*, 736, 76-81, 1996
5. Currie, P.J. et al.: Microdialysis as a tool to measure dietary and regional effects on the complete profile of extracellular amino acids in the hypothalamus of rats. *Life Sciences Volume 57, Issue 21, 13 October 1995, Pages 1911-1923*
6. Davydova, T. et al.: Production of Autoantibodies to Glutamate during Alzheimer's Dementia. *Bulletin of Experimental Biology and Medicine*, 147 (4), 385-7, 2009
7. Donaldson, L. et al.: Taste and weight: is there a link? *Am.J.Clin.Nutr.* 90 (3), 800S-3S, 2009
8. Freeman, M.: Reconsidering the effects of monosodium glutamate: A literature review. *Journal of the American Academy of Nurse Practitioners*, 18, 482-6, 2006
9. Geha, R.S. et al.: Review of Alleged Reaction to Monosodium Glutamate and Outcome of a Multicenter Double-Blind Placebo-Controlled Study. *Journal of Nutrition*, 130, 1058-62, 2000
10. Hermanussen, M. et al.: Obesity, voracity, and short stature: the impact of glutamate on the regulation of appetite. *European Journal of Clinical Nutrition*, 60, 25–31, 2006
11. Hermanussen, M.; Gonder, U.: Der Gefäßigmacher. Wie uns Glutamat zu Kopf steigt und warum wir immer dicker werden. Hirzel, Stuttgart 2008, ISBN 3 777 615 706
12. Ka He et al.: Association of Monosodium Glutamate Intake With Overweight in Chinese Adults: The INTERMAP Study. *Obesity*, 16, 1875-80, 2008
13. Monno, A. et al.: Extracellular glutamate levels in the hypothalamus and hippocampus of rats after acute or chronic oral intake of monosodium glutamate. *Neuroscience letters* 1995;193(1):45-8.
14. Rada, P. et al.: Extracellular Glutamate Increases in the Lateral Hypothalamus During Meal Initiation, and GABA Peaks During Satiation: Microdialysis Measurements Every 30 s. *Behavioral Neuroscience*, 117 (2), 222-7, 2003
15. Reddy, V. Et al.: Dose-related stimulation of feeding by systemic injections of monosodium glutamate. *Physiology & Behavior* 38 (4), 465-9, 1986

16. Sands, W.A. et al.: Exchange Protein Activated by Cyclic AMP (Epac)-Mediated Induction of Suppressor of Cytokine Signaling 3 (SOCS-3) in Vascular Endothelial Cells. *Molecular and Cellular Biology*, 26 (17), 6333-46, 2006
17. Singh, P. et al.: Prolonged glutamate excitotoxicity: Effects on mitochondrial antioxidants and antioxidant enzymes. *Molecular and Cellular Biochemistry* 243, 139–145, 2003
18. Stanley, B. et al.: Lateral hypothalamic injections of glutamate, kainic acid, D,L-alphaamino-3-hydroxy-5-methyl-isoxazole propionic acid or N-methyl-D-aspartic acid rapidly elicit intense transient eating in rats. *Brain Res.* 613 (1), 88-95, 1993
19. Yamaguchi, S.; Ninomiya, K.: Umami and Food Palatability. *The American Society for Nutritional Sciences* 130 Supplement: 9216, 2000
20. Yang, WH et al: The monosodium glutamate symptom complex: assessment in a doubleblind, placebo-controlled, randomized study. *Allergy Clin Immunol*, 99, 757-62, 1997
21. Hawkins BT, Egletton RD. Pathophysiology of the blood-brain barrier: animal models and methods. *Curr Top Dev Biol.* 2008; 80: 277-309

Fehlerfeuer im Heft 4/10, S. 193

In der Tabelle zum Artikel „Glutamat: Wie riskant ist es wirklich?“ muss es heißen **mg/100 g** und nicht **mg/kg**. Wir bitten, diesen Fehler zu entschuldigen.