

- and Protein Kinase C by Glutamate in Cultured Rat Hippocampal Neurons. *J. Biol. Chem.* (1992) **267**, 22527-22533.
17. Morioka, M., Fukunaga, K., Nagahiro, S., Kurino, M., Ushio, Y., Miyamoto, E. Glutamate-Induced Loss of Ca^{2+} /Calmodulin Dependent Protein Kinase II Activity in Cultured Rat Hippocampal Neurons. *J. Neurochem.* (1995) **64**, 2132-2139.
 18. Aronowski, J., Grotta, J.C., Waxham, M.N. Ischemia Induced Translocation of Ca^{2+} /Calmodulin Dependent Protein Kinase II: Possible Role in Neuronal Damage. *J. Neurochem.* (1995) **58**, 1743-1753.
 19. Churn, S.B., Limbrick, D., Sombati, S., DeLorenza, R.J. Excitotoxic Activation of the NMDA Receptor Results in Inhibition of Ca^{2+} /Calmodulin Dependent Protein Kinase II activity in Cultured Hippocampal Neurons. *J. Neurosci.* (1995) **15**, 3200-3214.
 20. Weller, M., Montpied, P., Paul, S.M. NMDA Receptor-Mediated Excitoprotection of Cultured Cerebellar Granule Neurons Fails to Alter Glutamate-Induced Expression of C-Fos and C-Jun. *Brain Res. Mol. Brain Res.* (1994) **22**, 1-4.
 21. McMillan, B.A. CNS Stimulants: Two Distinct Mechanisms of Action for Amphetamine-Like Drugs. *Trend Pharmacol. Sci.* (1983) **4**, 429-432.
 22. Butcher, S.P., Fairbrother, I.S., Kelly, J.S., Arbuthnott, G.W. Amphetamine-Induced Dopamine Release in the Rat Striatum: An in Vivo Microdialysis Study. *J. Neurochem.* (1988) **50**, 346-355.
 23. Patel, A.J., Hunt, A., Jacques-Berg, W., Kiss, J., Rodriguez, J. Effects of Protein Kinase C Modulation on NMDA Receptor Mediated Regulation of Neurotransmitter Enzyme and C-Fos Protein in Cultured Neurons. *Neurochem. Res.* (1995) **20**, 561-569.
 24. Gnagy, M.E., Hong, P., Ferrell, S.T. Phosphorylation of Neuromodulin in Rat Striatum After Acute and Repeated, Intermittent Amphetamine. *Brain Res. Mol. Brain Res.* (1993) **20**, 289-298.
 25. Kohmura, E., Yuguchi, T., Yamada, K., Sakaguchi, T., Wanaka, A., Hayakawa, T. Expression of C-Fos mRNA After Cortical Ablation in Rat Brain is Modulated by Basic Fibroblast Growth Factor (bFGF) and the NMDA Receptor is Involved in C-Fos Expression. *Brain Res. Mol. Brain Res.* (1995) **28**, 117-121.

Reaction of compound 2 with methyl azidocarboxylate: To a solution of compound 2 (0.5 mmol) in CH_2Cl_2 was added NaHCO_3 (0.5 mmol) and CH_3COONa (0.5 mmol). $\text{CH}_3\text{COOCH}_2\text{CO}_2\text{N}_3$ (0.4 mM) was added and the reaction was stirred for 12 h under N_2 . After the solvent was removed under reduced pressure and the residue was triturated with 1:1 hexane/CH₂Cl₂ to remove the $\text{Ph}_2\text{P}^{\bullet}\text{O}_7^{\bullet}$ by-product, the crude product was purified by SiO₂ chromatography. The residue was crystallized from MeOH.

N-(4-nitrophenyl)cysteine Sulfonamide (4a)

Mp: 120-122 °C; ¹H NMR (CDCl_3 , 500 MHz): δ 1.10 (6H, s, $\text{CH}_3 \times 2$), 1.66-1.77 (4H, m), 2.27 (3H, s, CH_3).