

- COURTNEY, K. R.: Mechanism of frequency-dependent inhibition of sodium currents in frog myelinated nerve by the lidocaine derivative GEA 968. *J. Pharmacol. Exp. Ther.* **195**: 225-236, 1975.
- COURTNEY, K. R.: Structure-activity relations for frequency-dependent sodium channel block in nerve by local anesthetics. *J. Pharmacol. Exp. Ther.* **213**: 114-119, 1980.
- DWYER, T. M.: Phenytoin depresses sodium currents in frog skeletal muscle. *Biophys. J.* **21**: 41a, 1978.
- GLASER, G. H., PENRY, J. K. AND WOODBURY, D. M., EDITORS: *Antiepileptic Drugs: Mechanism of Action*, Raven Press, New York, 1980.
- HILLE, B.: Local anesthetics: Hydrophilic and hydrophobic pathways for the drug-receptor reaction. *J. Gen. Physiol.* **69**: 497-515, 1977.
- HODGKIN, A. L. AND HUXLEY, A. F.: A quantitative description of membrane current and its application of conduction and excitation in nerve. *J. Physiol. (Lond.)* **117**: 500-544, 1952.
- HONDEGHEM, L. M. AND KATZUNG, B. G.: Time- and voltage-dependent interactions of antiarrhythmic drugs with cardiac sodium channels. *Biochim. Biophys. Acta* **472**: 373-398, 1977.
- KENDIG, J. J., COURTNEY, K. R. AND COHEN, E. N.: Anesthetics: Molecular correlates of voltage and frequency dependent sodium channel block in nerve. *J. Pharmacol. Exp. Ther.* **210**: 446-452, 1979.
- KIMHI, Y., PALFREY, C., SPECTOR, I., BARAK, Y. AND LITTAUER, U. Z.: Maturation of neuroblastoma cells in the presence of dimethylsulfoxide. *Proc. Natl. Acad. Sci. U.S.A.* **73**: 462-466, 1976.
- KHODOROV, B., SHISHKOVA, L., PEGANOV, E. AND REVENKO, S.: Inhibition of sodium currents in frog Ranvier node treated with local anesthetics: Role of slow sodium inactivation. *Biochim. Biophys. Acta* **433**: 409-435, 1976.
- LEE, K. S., AKAIKE, N. AND BROWN, A. M.: The suction pipette method for internal perfusion and voltage clamp of small excitable cells. *J. Neurosci. Methods* **2**: 51-78, 1980.
- LIPICKY, R. J., GILBERT, D. O. AND STILLMAN, I. M.: Diphenylhydantoin inhibition of sodium conductance in squid giant axon. *Proc. Natl. Acad. Sci. U.S.A.* **69**: 1758-1760, 1972.
- MOOLENAAR, W. H. AND SPECTOR, I.: Ionic currents in cultured mouse neuroblastoma cells under voltage-clamp conditions. *J. Physiol. (Lond.)* **278**: 265-286, 1978.
- MORELLO, R. S. AND BEGENISICH, T.: Form and site of action of diphenylhydantoin on the sodium channel of squid axons. *Biophys. J.* **25**: 135a, 1979.
- NEUMAN, R. S. AND FRANK, G. B.: Effects of diphenylhydantoin and phenobarbital on voltage-clamped myelinated nerve. *Can. J. Physiol. Pharmacol.* **55**: 42-47, 1977.
- PERRY, J. G., MCKINNEY, L. AND DE WEER, P.: The cellular mode of action of the anti-epileptic drug 5,5'-diphenylhydantoin. *Nature (Lond.)* **272**: 271-273, 1978.
- QUANDT, F. AND NARAHASHI, T.: Modification of single Na⁺ channels by batrachotoxin. *Proc. Natl. Acad. Sci. U.S.A.* **79**: 6732-6736, 1982.
- RAINES, A. AND STANDAERT, F. G.: Pre- and postjunctional effects of diphenylhydantoin at the cat soleus neuromuscular junction. *J. Pharmacol. Exp. Ther.* **153**: 361-366, 1966.
- RICHELSON, E. AND TUTTLE, J. B.: Diphenylhydantoin inhibits ionic excitation of mouse neuroblastoma cells. *Brain Res.* **99**: 209-212, 1976.
- ROSENBERG, P. AND BARTELS, E.: Drug effects on the spontaneous electrical activity of the squid giant axon. *J. Pharmacol. Exp. Ther.* **155**: 532-544, 1967.
- SCHWARTZ, P. A., RHODES, C. T. AND COOPER, J. W., JR.: Solubility and ionization characteristics of phenytoin. *J. Pharm. Sci.* **66**: 994-997, 1977.
- SCHWARZ, J. R. AND VOGEL, W.: Diphenylhydantoin: Excitability reducing action in single myelinated nerve fibers. *Eur. J. Pharmacol.* **44**: 241-249, 1977.
- SCHWARZ, W., PALADE, P. T. AND HILLE, B.: Local anesthetics: Effect of pH on use-dependent block of Na channels in frog muscle. *Biophys. J.* **20**: 343-368, 1977.
- STRICHARTZ, G. R.: The inhibition of sodium currents in myelinated nerve by quarternary derivatives of lidocaine. *J. Gen. Physiol.* **62**: 37-57, 1973.
- TUTTLE, J. B. AND RICHELSON, E.: Phenytoin action on the excitable membrane of mouse neuroblastoma. *J. Pharmacol. Exp. Ther.* **211**: 632-637, 1979.
- WAYMOUTH, C.: Nutritional requirements of cells in culture, with special reference to neural cells. *In Cell, Tissue and Organ Cultures in Neurobiology*, ed. by S. Fedoroff and L. Herz, pp. 631-648, Academic Press, New York, 1977.
- YEH, J. Z.: Dynamics of 9-aminoacridine block of sodium channels in squid axons. *J. Gen. Physiol.* **73**: 1-21, 1979a.
- YEH, J. Z.: Frequency- and voltage-dependent block of Na channels in squid axon membranes by antiarrhythmic drugs. *Fed. Proc.* **38**: 589, 1979b.
- YEH, J. Z.: Blockage of sodium channels by stereoisomers of local anesthetics. *In Molecular Mechanisms of Anesthesia*, ed. by B. R. Fink, pp. 35-44, Raven Press, New York, 1980.
- YEH, J. Z.: A pharmacological approach to the structure of the Na channel in squid axon. *In Proteins in the Nervous System: Structure and Function*, ed. by B. Haber, J. R. Perez-Polo and J. D. Coulter, pp. 17-49, Alan R. Liss, New York, 1982.

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