

- dependence of rectal absorption of theophylline from solutions of aminophylline in situ in rats. *Int. J. Pharm.* 3: 299–309
- Irwin, R. L., Smith, H. J. (1960) Cholinesterase inhibition by galanthamine and licoramine. *Biochem. Pharmacol.* 3: 147–148
- Kolusheva, A., Valkova, A. (1966) Spectrophotometric investigations on galanthamine, licorine and nivalidine. *Farmacia (Sofia)* 16: 45–49
- Mihailova, D., Yamboliev, I. (1986) Pharmacokinetics of galanthamine hydrobromide (nivalin) following single intravenous and oral administration in rats. *Pharmacology* 32: 301–306
- Mihailova, D., Yamboliev, I., Dishovski, Ch. (1985) Modeling of pharmacokinetic and pharmacodynamic behaviour of nivalin in anaesthetized cats. *Methods Fund. Exp. Clin. Pharmacol.* 7: 595–601
- Mihailova, D., Yamboliev, I., Zhivkova, Z., Tencheva, J., Jovovich, V. (1989) Pharmacokinetics of galanthamine hydrobromide after single subcutaneous and oral dosage in humans. *Pharmacology* 39: 50–58
- Mikhailova, I. (1965) The inhibitory effect of some galanthamine derivatives on acetylcholinesterase in vitro. *Eksp. Med. Morfol. (Sofia)* 4: 104–107
- Paskov, D., Dobrey, H., Nikiforov, N. (1964) Antagonistic action of nivalin and morphine upon the respiratory center. In: Aviado, D. M., Palacek, F. (eds) *Drugs and Respiration. Proceedings of the Second International Pharmacological Meeting, Prague, August 20–23*, Pergamon Press, New York, pp 113–123
- Ruifrok, P. G. (1981) Uptake of quaternary ammonium compounds into rat intestinal brush border membrane vesicles. *Biochem. Pharmacol.* 30: 2673–2681
- Ruifrok, P. G., Mol, W. E. M. (1983) Paracellular transport of inorganic and organic ions across the rat ileum. *Biochem. Pharmacol.* 32: 637–640
- Seki, J., Mukai, H., Sugiyama, M. (1985) Studies on the absorption of sodium guaiuzulene-3-sulfonate. II. Absorption mechanism from nasal and intestinal membrane. *J. Pharmacobiodyn.* 8: 337–343
- Sweeney, J., Puttfarcken, P., Coyle, J. (1989) Galanthamine, an acetylcholinesterase inhibitor: a time course of the effects on performance and neurochemical parameters in mice. *Pharmacol. Biochem. Behav.* 34: 129–137
- Thomsen, T., Kewitz, H. (1990) Selective inhibition of human acetylcholinesterase by galanthamine in vitro and in vivo. *Life Sci.* 46: 1553–1558
- Tsubaki, H., Komai, T. (1986) Intestinal absorption of tetramethylammonium and its derivatives in rats. *J. Pharmacobiodyn.* 9: 747–754
- Turnheim, K., Lauterbach, F. (1980) Interaction between intestinal absorption and secretion of monoquaternary ammonium compounds in guinea-pigs—a concept for the absorption kinetics of organic cations. *J. Pharmacol. Exp. Ther.* 212: 418–424
- United States Patent (1987) 4, 663, 318
- Varga, F. (1976) Transit time changes with age in the gastrointestinal tract of the rat. *Digestion* 14: 319–324
- Westra, P., Van Thiel, M. J. S., Vermeer, G. A., Soeterbroek, A. M., Scaf, A. H. J., Clasessens, H. S. (1986) Pharmacokinetics of galanthamine (a long-acting anticholinesterase drug) in anaesthetized patients. *Br. J. Anaesth.* 58: 1303–1307
- Yamboliev, I., Mihailova, D. (1983) Determination of some physicochemical properties of nivalin. *Farmacia (Sofia)* 33: 12–17

Definitive IUPAC Recommendations

The following definitive recommendations on nomenclature, terminology, and symbolism have been published since January 1992:

- Glossary for chemists of terms used in biotechnology. *Pure Appl. Chem.* (1992) 64: 143
- Nomenclature, symbols, units and their usage in spectrochemical analysis-XII. Terms related to electrothermal atomization. *Pure Appl. Chem.* (1992) 64: 253
- Nomenclature, symbols, units and their usage in spectrochemical analysis-XIII. Terms related to chemical vapour generation. *Pure Appl. Chem.* (1992) 64: 261
- Selection of terms, symbols and units related to microbial processes. *Pure Appl. Chem.* (1992) 64: 1047
- Quantities and units for metabolic processes as a function of time. *Pure Appl. Chem.* (1992) 64: 1569

Comments on these recommendations would be welcomed, addressed to the originating IUPAC Commission (for addresses see the appropriate issue of *Pure Appl. Chem.*), with copies to Dr A. D. McNaught, Secretary, Royal Society of Chemistry Nomenclature Committee, Thomas Graham House, Science Park, Milton Road, Cambridge CB4 4WF, UK.