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Enzymology and regulation of the atropine metabolism in *pseudomonas putida*

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1.

To accomplish the induction of enzyme synthesis in micro-organisms it can be required to generate the inducing compound endogeneously, so that induction does not take place when the same compound is presented in the cultivation medium.

B. Müller-Hill, H. Rickenberg and K. Wallenfels *J. Mol. Biol.*, 10 (1964) 303

2.

The specific radioactivity of bases in RNA, produced during learning processes in the brain cells, does not allow to deduce conclusions regarding the composition of the RNA.

V.E. Shashoua, *Nature*, 217 (1968) 238

3.

In applying amino acid and nucleotide analogues to study the regulation of protein synthesis, one should be aware on various effects of the analogue for individual proteins.

S. Schlesinger, *J. Biol. Chem.*, 243 (1968) 3877. J Horowitz and V. Kohlmeier, *Biochem. Biophys. Acta*, 142 (1967) 208

4.

The arguments of Commoner regarding the contribution of cytoplasmic factors in heredity do not detract from the theory that nucleic acids are the sole carriers of genetic properties.

B. Commoner, *Nature*, 220 (1968) 334

5.

Nakane and coworkers have not taken in account the possible impermeability of the bacterial membrane for the anti-serum used in their localization of the leucine binding protein in *Escherichia coli*.

P. K. Nakane, G.E. Nichoalds and D.L. Oxender, *Science*, 161 (1968) 182

6.

In their study of the kinetics of the enzymatic hydrogenation of dihydroxy-fumaric acid, Kohn and Jacoby do not sufficiently take in account the keto-enol tautomerism of this compound.

L.D. Kohn and W.B. Jacoby, J. Biol Chem., 243 (1968) 2472

7.

A sigmoid form of the curve representing the enzyme dependence of the substrate concentration could have another cause as a cooperative effect.

8.

Regulation of enzyme activity and allosteric interactions. Proc. 4th meeting of the Fed. of European Biochem. Societies Oslo 1967 Ed E. Kvamme e.a. London Acad. press 1968

9.

It is desirable to define more precisely the requirement "dangerous compounds may not be present" in the Royal Decrees by virtue of the Dutch Food and Drug Act.

Dutch Food and Drug Act 1935 Stb 793 edition Schuurmans and Jordens number 99

10.

In the enunciation of expectations regarding new developments of science, one must guard - especially for a non-specialist auditorium – against a mix of science fiction and futurology.

A.H.J. Thiadens , Chem. Weekbl. 30-5-'69

June 18th 1969 W.F. Stevens