

## BIOCHIMIE 1978 TOME 60 NUMBER 9 SOMMAIRE

Paru le 9 decembre 1978

La revue des revues	V
Informations	IX
Une protéine ubiquitaire: la protéine régulatrice dépendante du calcium. Colloques et Congrès	
Chronique de livres	XVII

### Chimie de coordination et chimiothérapie des cancers\*

C.N.R.S.—Toulouse, 24, 25 et 26 Juillet 1978

Introduction C. PAOLETTI	831
-----------------------------	-----

#### COMPOSES DU PLATINE

##### A—Sélection de nouveaux complexes

Anti-tumour platinum complexes: relationships between chemical properties and activity. M. J. CLEARE, P. C. HYDES, B. W. MALERBI and D. M. WATKINS	835
Selection of potential second generation platinum compounds. R. WILKINSON, P. J. COX, M. JONES and K. R. HARRAP	851

##### B—Mécanismes d'action

Platinum complex-DNA interactions and anti-cancer activity. B. ROSENBERG	859
The interaction of antitumour platinum compounds with cellular DNA in cultured cells and animal tissues: relationship to DNA cellular repair processes. J. J. ROBERTS and H. N. A. FRAVAL	869
The effect of platinum binding on the structure of DNA and its function in RNA synthesis. R. C. SRIVASTAVA, J. FROELICH and G. L. EICHHORN	879
Platinum-DNA crosslinking: Platinum antitumor drug interactions with native lambda bacteriophage DNA studied using a restriction endonuclease. A. D. KELMAN and M. BUCHBINDER	893
Modifications of the DNA secondary structure upon platinum binding a proposed model. J.-P. MACQUET and J.-L. BUTOUR	901

##### C—Pharmacologie et essais cliniques

A clinical overview of dichloro diamino platinum. J. H. BURCHENAL	915
A review of clinical experience with <i>cis</i> -platinum diammine dichloride: 1972-1978. E. WILTSHAW	925
Clinical trials with <i>cis</i> -diamminedichloroplatinum (II) (DDP). J. E. HENNEY, M. ROZENCWEIG, D. D. VON HOFF and F. M. MUGGIA	931
<i>Cis</i> -platinum-diammino-dichloro(CPDD) in chemotherapy of cancers. Phase II therapeutic trial. M. HAYAT, M. BAYSSAS, G. BRULE, P. CAPPelaERE, A. CATTAN, J. CHAUVERGNE, B. CLAVEL, J. GOUVEIA, J. GUERRIN, J. LAUFER, E. POMMATAU, H. SZPIRGLAS, F. MUGGIA and G. MATHÉ	935
Efficacy of <i>cis</i> platinum in genitourinary tumors. Experience in 200 cases. C. E. MERRIN	941
The pharmacokinetics of <i>cis</i> -diamminodichloro-platinum (II) in animals and man: relation to treatment scheduling. D. M. TAYLOR	949
Clinical pharmacological and toxicological studies of <i>cis</i> -diammine dichloroplatinum (II) by continuous intravenous infusion. TI LI LOO, S. W. HALL, P. SALEM, R. S. BENJAMIN and K. LU	957
Studies of cross-resistance, synergistic combinations and blocking of activity of platinum derivatives. J. H. BURCHENAL, K. KALAHER, K. DEW, L. LOKYS and G. GALE	961

#### METABOLISME DES MEDICAMENTS ANTICANCEREUX

Coordination chemistry of cytochromes P 450 and iron-porphyrins: relevance to pharmacology and toxicology. D. MANSUY	969
Antitumour drugs with latent activity. T. A. CONNORS	979
Cytochrome P-450 interactions with the 2-chloroethylnitrosoureas and procarbazine. D. J. REED and H. E. MAY	989
Investigation of the mechanism of action of anti-tumour dimethyltriazenes. J. A. HICKMAN	997
Metabolism of ellipticine and derivatives and its involvement in the antitumor action of these drugs. C. PAOLETTI, P. LECOINTE, P. LESCA, S. CROS, D. MANSUY and N. DAT XUONG	1003

Ellipticines as potent inhibitors of drug metabolism. Protective effect against chemical mutagenesis and carcinogenesis. P. LESCA, P. LECOINTE, C. PAOLETTI and D. MANSUY	1011
Genetic control of carcinogen metabolism leading to individual differences in cancer risk. D. W. NEBERT	1019
Action du tétrachlorure de carbone et du chloroforme sur les hèmes, en relation avec le rôle du cytochrome P450 dans le métabolisme et l'hépatotoxicité des composés polyhalogénés. D. BRAULT, P. MORLIÈRE, M. ROUGÉE et C. BIZET	1031
<b>Abstracts</b>	1037
<i>Appareillage et produits nouveaux</i>	1079
<i>Index des annonceurs</i>	1080

---

\* Symposium satellite du 7<sup>e</sup> Congrès international de Pharmacologie, France, 1978.