



UNIVERSITA' DI MESSINA  
FACOLTA' DI SCIENZE

Dipartimento di Chimica Inorganica, Analitica  
e Struttura Molecolare



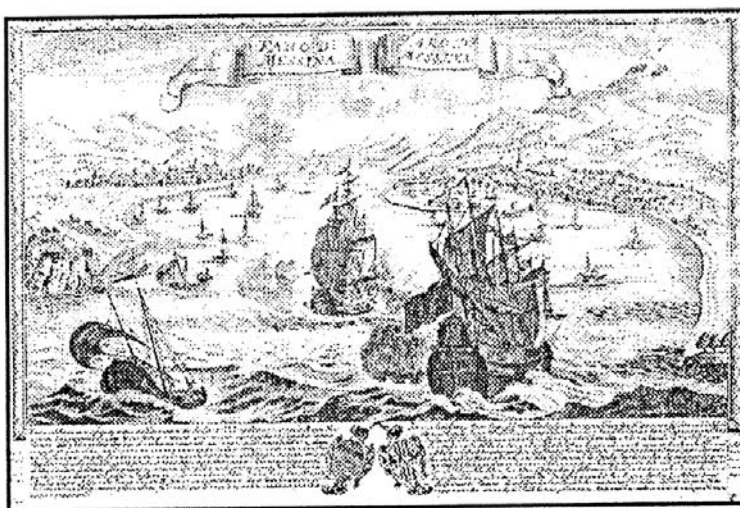
Società Chimica Italiana  
visione di Chimica Inorganica



Atti Accademia Peloritana dei Pericolanti  
Classe I di Scienze Fisiche  
Matematiche e Naturali

WORKSHOP ON PLATINUM CHEMISTRY

ABSTRACTS



MESSINA 30-31 MAGGIO 1994  
Aula dell'Accademia

**SYNTHESIS, STRUCTURE  
AND ANTITUMORAL ACTIVITY OF PLATINUM(II)  
COMPLEXES WITH AMIDRAZONE DERIVATIVES**

M. T. COCCO - G. PONTICELLI

Platinum(II) complexes with amidrazone derivatives have been prepared and characterized by analytical and physical data, I. R. and electronic reflectance spectra.

These compounds have general formula  $[Pt(L)_2X_2]$ , where L=acetamidrazone, N<sup>1</sup>-acetyl, 2-phenylacetamidrazone and N<sup>1</sup>-ethoxycarbonyl-2-phenylacetamidrazone; X=Cl or Br.

The complexes are powder-like, coloured yellow to brown, soluble in DMF and DMSO in which they do not conduct. These are trans square planar and the bases act as monodentate via a nitrogen of the acetamidrazone.

These compounds are tested in vitro with aid of Boehringer Mannheim Italia di Monza and Istituto Tumori di Milano towards L1210, A2780 and their sublines respect to cis-platin.

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