

When chirality makes the difference: the case of novel enantiopure *N*-heterocyclic carbene-gold and -silver complexes

Maria Marra^{1, ‡}, Annaluisa Mariconda^{2, ‡}, Domenico Iacopetta¹, Jessica Ceramella^{1, *}, Assunta D'Amato³, Camillo Rosano^{4, *}, Kateryna Tkachenko⁴, Michele Pellegrino¹, Stefano Aquaro⁵, Maria Stefania Sinicropi^{1, ‡}, Pasquale Longo^{3, ‡}.

¹ Department of Pharmacy, Health and Nutritional Sciences, University of Calabria, Via P. Bucci, 87036 Arcavacata di Rende, Italy; mariamarra1997@gmail.com (M.R.), domenico.iacopetta@unical.it (D.I.), michele.pellegrino@unical.it (M.P.), s.sinicropi@unical.it (M.S.S.)

² Department of Science, University of Basilicata, Viale dell'Ateneo Lucano 10, 85100 Potenza, Italy; annaluisa.mariconda@unibas.it (A.M.)

³ Department of Chemistry and Biology, University of Salerno, Via Giovanni Paolo II, 132, 84084 Fisciano, Italy; asdamato@unisa.it (A.D.); plongo@unisa.it (P.L.)

⁴ U.O. Proteomica e Spettrometria di Massa. IRCCS Ospedale Policlinico San Martino, L.go Rosanna Benzi 10, 16132 Genova (I); kateryna.tkachenko@hsanmartino.it (K.T.)

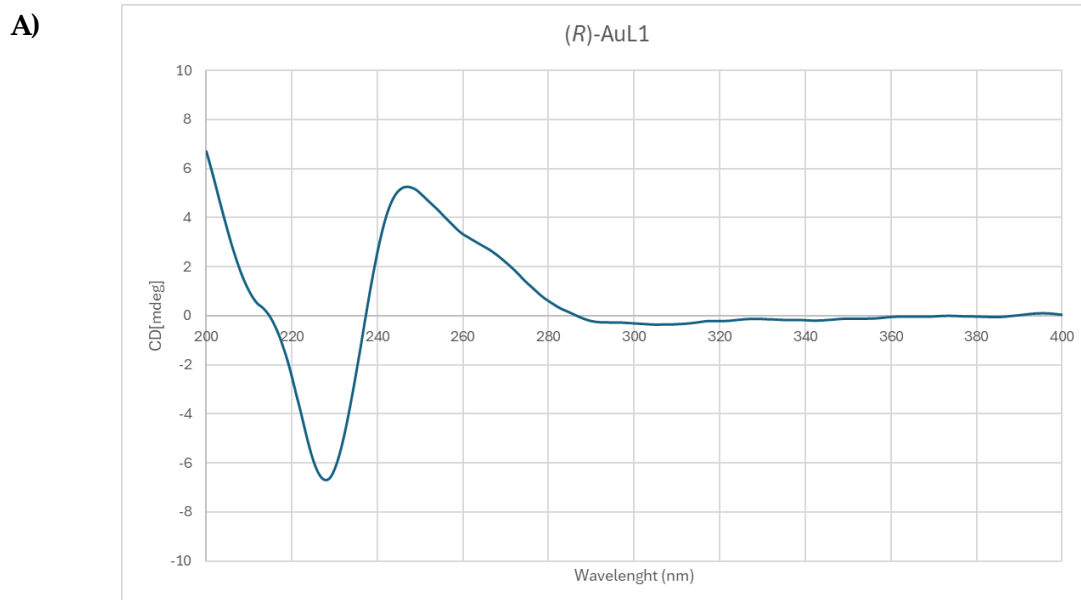
⁵ Department of Life, Health and Environmental Sciences, University of L'Aquila, Piazzale Salvatore Tommasi 1, Blocco 11, 67010 L'Aquila - Coppito - Italy; stefano.aquaro@univaq.it (S.A.); stefano.aquaro@unical.it (S.A.).

* Corresponding authors: jessica.ceramella@unical.it (J.C.); camillo.rosano@hsanmartino.it (C.R.)

‡ Co-first authors

‡ Co-senior authors

Figure S1. Circular dichroism (CD) spectra of A) (*R*)-AuL1 and B) (*S*)-AuL1 (solvent: acetonitrile).



B)

