

Platinoid complexes to target monomeric disordered peptides: a forthcoming solution against amyloid diseases ?

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SUPPORTING INFORMATION

Supporting information:

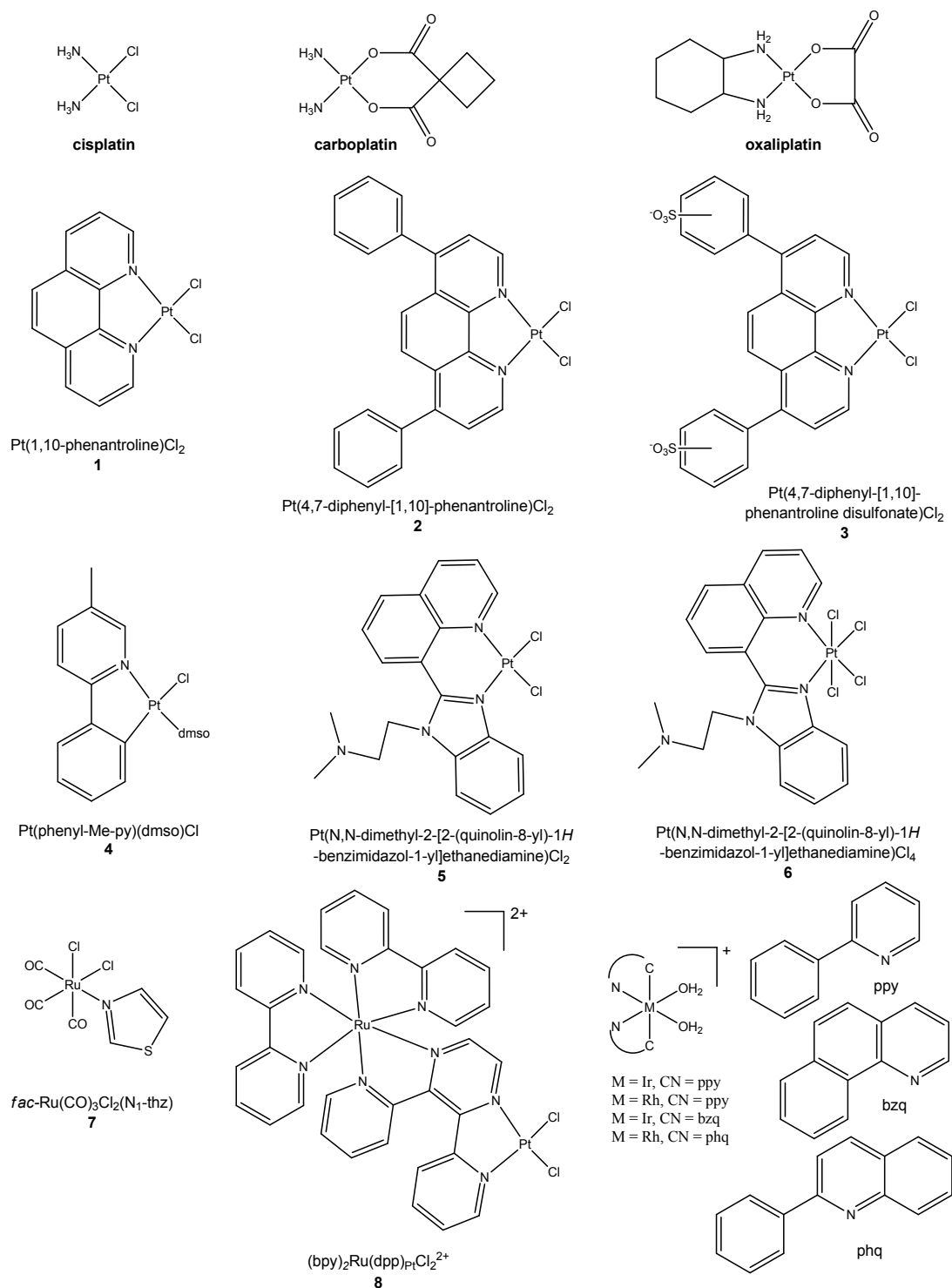


Figure S1. Pt complexes developed as anti-cancer drugs and Platinoids complexes developed in AD context. Compounds **1-3** from ref. ¹, **4** from ref. ^{2, 3}, **5-6** from ref. ⁴, **7** from ref. ⁵, **8** from ref. ⁶ and Ir and Rh complexes from ref. ⁷.

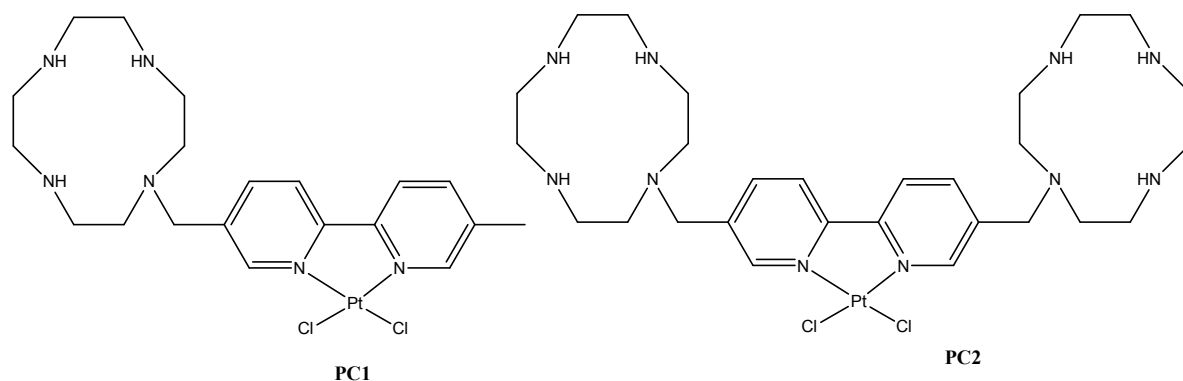


Figure S2. Platiniferous chelators, from ref. ⁸.

References

1. K. J. Barnham, V. B. Kenche, G. D. Ciccotosto, D. P. Smith, D. J. Tew, X. Liu, K. Perez, G. A. Cranston, T. J. Johanssen, I. Volitakis, A. I. Bush, C. L. Masters, A. R. White, J. P. Smith, R. A. Cherny and R. Cappai, *Proc. Natl. Acad. Sci. U. S. A.*, 2008, **105**, 6813-6818.
2. I. Sasaki, C. Bijani, S. Ladeira, V. Bourdon, P. Faller and C. Hureau, *Dalton Trans.*, 2012, **41**, 6404-6407.
3. F. Collin, I. Sasaki, H. Eury, P. Faller and C. Hureau, *Chem. Commun.*, 2013, **49**, 2130-2132.
4. V. B. Kenche, L. W. Hung, K. Perez, I. Volitakes, G. Ciccotosto, J. Kwok, N. Critch, N. Sherratt, M. Cortes, V. Lal, C. L. Masters, K. Murakami, R. Cappai, P. A. Adlard and K. J. Barnham, *Angew. Chem. Int. Ed.*, 2013, **52**, 3374-3378.
5. D. Valensin, P. Anzini, E. Gaggelli, N. Gaggelli, G. Tamasi, R. Cini, C. Gabbiani, E. Michelucci, L. Messori, H. Kozlowski and G. Valensin, *Inorg. Chem.*, 2010, **49**, 4720-4722.
6. A. Kumar, L. Moody, J. F. Olavar, N. A. Lewis, R. L. Khade, A. A. Holder, Y. Zhang and V. Rangachari, *ACS Chem. Neurosci.*, 2010, 691-701.
7. B. Yat-Wah Man, H.-M. Chan, C.-H. Leung, D. Shiu-Hin Chan, L.-P. Bai, Z.-H. Jiang, H.-W. Li and D.-L. Ma, *Chemical Science*, 2011, **2**, 917-921.
8. X. Wang, X. Wang, C. Zhang, Y. Jiaoa and Z. Guo, *Chem. Sci.*, 2012, **3**, 1304-1312.