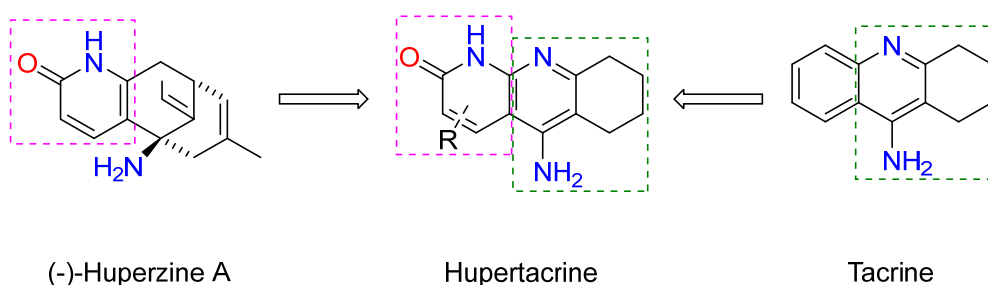


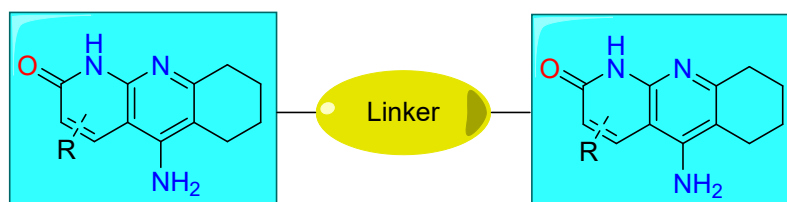
## RESEARCH PROJECT

### Hupertacrines: A new family of compounds for Alzheimer's disease therapy

Recently, in collaboration with the group of Prof. Marco-Contelles, we have developed a new family of compounds, the Hupertacrines.<sup>1</sup> These compounds are hybrids resulting from the juxtaposition of (-)-Huperzine A and Tacrine, two references for Alzheimer's disease tests.



This project is divided on two main targets: the first one is focused on developing new compounds linking two hupertacrine units by different aliphatic chains. The second one, and taking advantage of the methodologies developed around these structures consists of the synthesis of Hupertacrines bearing suitable motifs.



## References

<sup>1</sup> a) Chioua, M.; Pérez, M.; Bautista-Aguilera, O. M.; Yañez, M.; G. López, G.; Romero, A.; Cacabelos, R.; Puig de la Bellacasa, R.; Brogi, S.; Butini, S.; Borrell, J. I.; Marco-Contelles, J. *Mini-Reviews in Medicinal Chemistry* **2015**, *15*, 648-658. b) Balmori, A.; Chioua, M.; Puig de la Bellacasa, R.; Estrada-Tejedor, R.; Ismaili, L.; Marco-Contelles, J.; Borrell J. I. *ChemistrySelect* **2017**, *2*, 2605-2610.

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