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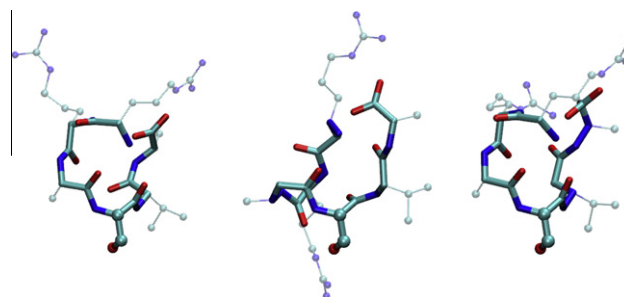
## Regular Articles

### Effect of two simultaneous aza- $\beta^3$ -amino acid substitutions on recognition of peptide substrates by cAMP dependent protein kinase catalytic subunit

pp 133–137

Ksenija Kisseljova, Aleksei Kuznetsov,  
Michèle Baudy-Floc'h and Jaak Järv\*

Analogs of RRASVA (left) with two aza- $\beta^3$ -amino acids in all subsequent positions were synthesized and their phosphorylation by cAMP-dependent protein kinase catalytic subunit was studied. Peptidomimetic aza- $\beta^3$ -PR-aza- $\beta^3$ -ASVA (center) was the worst substrate and RRAS-aza- $\beta^3$ -V-aza- $\beta^3$ -A (right) was one of the best substrates in terms of the second-order rate constraints.

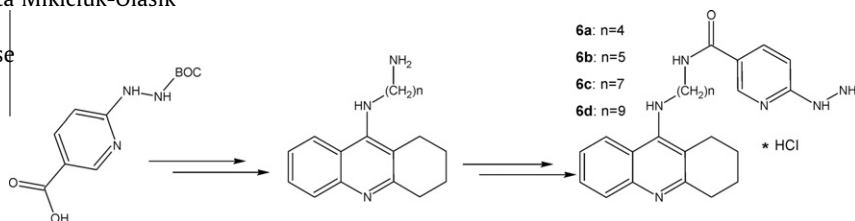


### Synthesis and biological activity of derivatives of tetrahydroacridine as acetylcholinesterase inhibitors

pp 138–142

Paweł Szymański,\* Magdalena Markowicz and Elżbieta Mikiciuk-Olasik

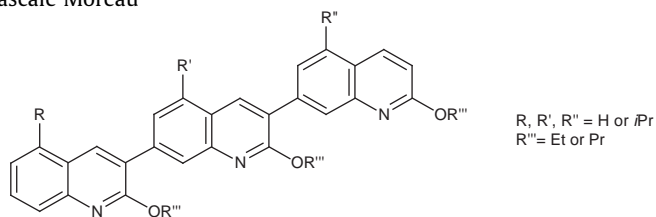
Synthesis of tetrahydroacridine as acetylcholinesterase inhibitors.



### Synthesis and molecular modeling study of new trimeric quinoline derivatives

pp 143–150

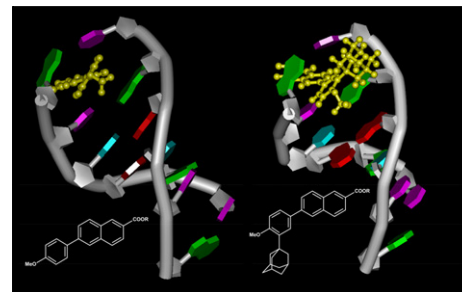
Emmanuelle Saugues, Lionel Nauton, Vincent Théry, Fabrice Anizon and Pascale Moreau\*



**New synthesis of 6[3-(1-adamantyl)-4-methoxyphenyl]-2-naphthoic acid and evaluation of the influence of adamantyl group on the DNA binding of a naphthoic retinoid****pp 151–158**

Alberto Milanese, Elena Gorincioi, Mehdi Rajabi, Giulio Vistoli and Enzo Santaniello\*

6-(4-Methoxyphenyl)-2-naphthoic acid/ethyl ester and their 3-adamantyl analogs, synthesized by a new protocol, interact with DNA in aqueous solution at physiological conditions. The binding constants  $K_{\text{ligand-DNA}}$  evaluated by UV-vis spectroscopic analysis ranged between  $1.1 \times 10^4 \text{ M}^{-1}$  and  $1.1 \times 10^5 \text{ M}^{-1}$ . The higher values correspond to those of the adamantylated compounds and molecular modeling studies suggest that the intercalative binding to DNA is mainly stabilized by hydrophobic interactions related to the presence of the adamantyl group.

**Corrigendum****Corrigendum to: “ $\beta$ -1,3-Glucan/antisense oligonucleotide complex stabilized with phosphorothioation and its gene suppression” [Bioorg. Chem. 38 (2010) (6) 260–264]****p 159**

Shinichi Mochizuki and Kazuo Sakurai\*

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