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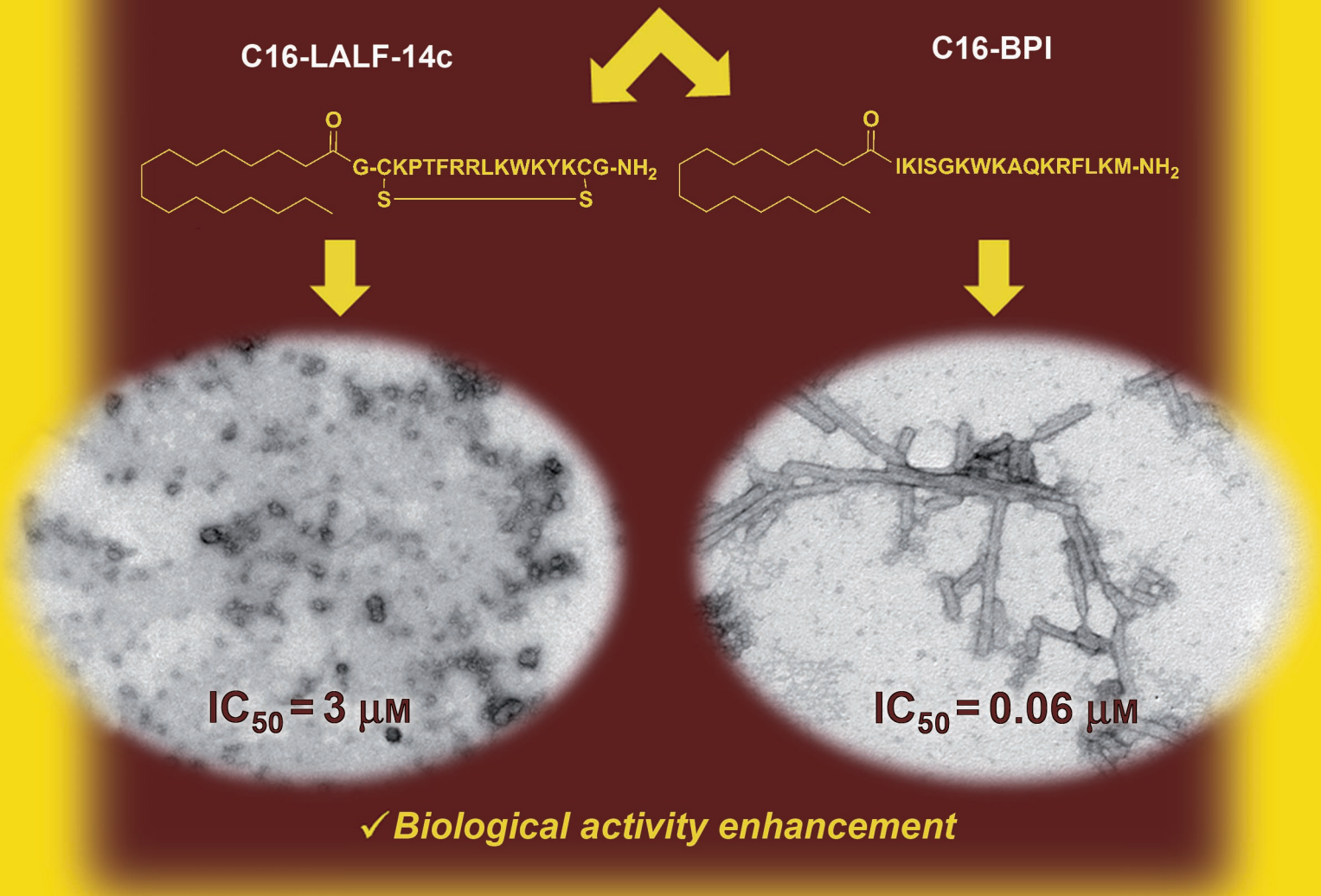
CHEMMEDCHEM

CHEMISTRY ENABLING DRUG DISCOVERY

Nanostructures that neutralize bacterial endotoxins

N-acylation of anti-LPS peptides



✓*Biological activity enhancement*

11/2008

Minireview: Guanidinylated Dendritic Molecular Transporters (C. M. Paleos)

Communication: Enzymatic Release of a Surface-Adsorbed Therapeutic (D. J. Kenan, M. W. Grinstaff)

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Cover Picture

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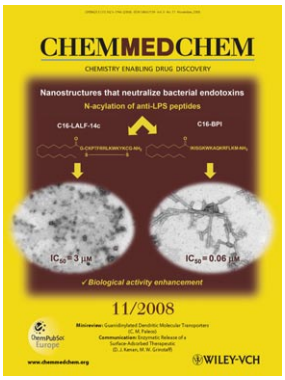

The cover picture shows how the N-acylation (i.e. palmitoylation) of LPS-neutralizing peptides, LALF-14c and BPI, promotes the formation of well-defined nanostructures, such as micelles or fibrils. These peptides show greater biological activities than their nonacylated counterparts. For details, see the Full Paper by F. Albericio et al. on p. 1748 ff.