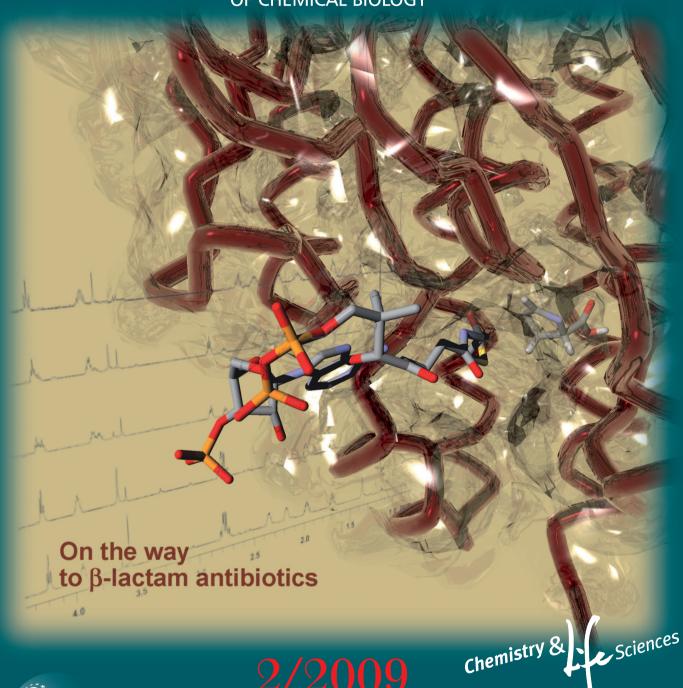
A EUROPEAN JOURNAL

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Minireviews: Rules of N-Terminal Protein Excision (N. Budisa) Quorum Sensing and Quorum Quenching (S. Uroz) Highlight: Strigolactones (W. Boland)



10th Volume

Cover Picture

Refaat B. Hamed, Edward T. Batchelar, Jasmin Mecinović, Timothy D. W. Claridge, and Christopher J. Schofield*

The cover picture shows a view from a crystal structure of a carboxymethylproline synthase with the malonyl-CoA-derived enolate and pyroline-5-carboxylate modelled into the active site. Carboxymethylproline synthases (e.g. CarB and ThnE from *Pectobacterium carotovorum and Streptomyces cattleya*, respectively) catalyse the formation of carboxymethylproline intermediates in the biosynthesis of the clinically important carbapenem subfamily of β -lactam antibiotics. Epimerization reactions enable diversification in the biosynthetic pathways leading to all subfamilies of bicyclic β -lactam antibiotics: penicillins/cephalosporins, carbapenems and clavams. For more information, see the article by C. J. Schofield et al. on p. 246 ff.

