

## Contents

### Special Section: Progress in Bioorganic and Natural Products Chemistry: A Tribute to A. Ian Scott, Part 2

Abstracted/indexed in SCOPUS®. Full text available on ScienceDirect®.

#### Special Section: Ian Scott Tributes, Part 2

##### Binding of 14-3-3 proteins to a single stranded oligodeoxynucleotide aptamer pp 215–219

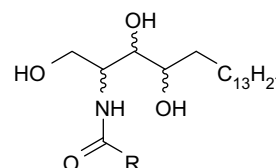
Ross Stevenson, Helen C. Baxter, Alastair Aitken, Tom Brown and Robert L. Baxter \*

We describe identification of a synthetic ssDNA aptamer which binds to undenatured 14-3-3 proteins and its application to the affinity precipitation of 14-3-3 from the cerebral spinal fluid of a scrapie infected sheep.

##### Divergent syntheses of all stereoisomers of phytosphingosine and their use in the construction of a ceramide library pp 220–228

Jeong-Ju Park, Ji Hyung Lee, Qian Li, Kristine Diaz, Young-Tae Chang \* and Sung-Kee Chung \*

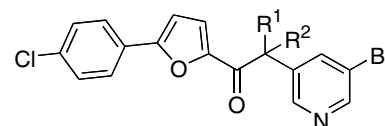
A ceramide library of 8 cores  $\times$  80 acyl tails.



##### Aryl methylene ketones and fluorinated methylene ketones as reversible inhibitors for severe acute respiratory syndrome (SARS) 3C-like proteinase pp 229–240

Jianmin Zhang, Carly Huitema, Chunying Niu, Jiang Yin, Michael N.G. James, Lindsay D. Eltis and John C. Vederas \*

A series of ketones and fluorinated ketones have been synthesized as potent reversible inhibitors of SARS 3CL<sup>pro</sup>. Three aromatic rings, including a 3-bromopyridin-5-yl moiety, enhanced inhibition of this enzyme.



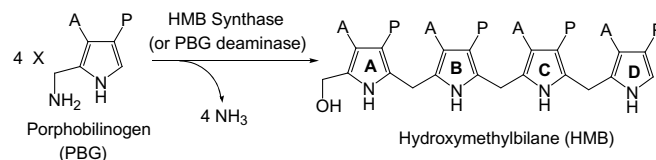
R<sup>1</sup> = H or F, R<sup>2</sup> = H or F

IC<sub>50</sub> = 13–57  $\mu$ M

**Functional studies of rat hydroxymethylbilane synthase**

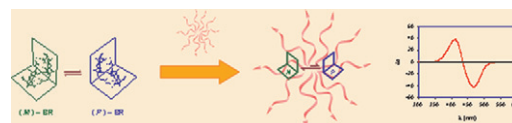
pp 241–251

Nan Li, Xiusheng Chu, Long Wu, Xiaojun Liu and Ding Li \*

**Preliminary Communications****Enantiodiscrimination of bilirubin-IX $\alpha$  enantiomers in biomembrane models: Has chirality a role in bilirubin toxicity?**

pp 252–254

Francesca Ceccacci, Luisa Giansanti, Stefano Levi Mortera, Giovanna Mancini, \* Alessandro Sorrenti and Claudio Villani

**Characterization of horse spleen apoferritin reactive lysines by MALDI-TOF mass spectrometry combined with enzymatic digestion**

pp 255–260

Qingbing Zeng, \* Rachel Reuther, Jerry Oxsher and Qian Wang \*

Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF) combined with enzymatic digestion analysis is used to identify the reactivity of horse spleen apoferritin lysine residues.

