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ABSTRACTED/INDEXED IN Chemical Abstracts Service (CAS) – SciFinder; Elsevier SCOPUS; Medline; PubMed; SCImago (SJR); Thomson Reuters: BIOSIS Previews, Current Contents/Life Sciences, Journal Citation Reports/Science Edition, Science Citation Index, Science Citation Index Expanded.

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ISSN 0939-5075 · e-ISSN 1865-7125

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TYPESETTING Compuscript Ltd., Shannon, Ireland

**PRINTING** Franz X. Stückle Druck und Verlag e. K., Ettenheim Printed in Germany

**COVER ILLUSTRATION** Detail of the structure of bryostatin 1. The structure of bryostatin 1 was determined in 1982. To date 20 different bryostatins have been isolated. Bryostatins are potent modulators of protein kinase C. They are currently under investigation as anti-cancer agents, as anti-AIDS/HIV agents and as a memory-enhancing agent.



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