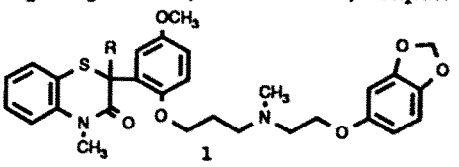
BioMed. Chem. **1994**, *2*, 235

Conformational Study of 2-Phenylbenzothiazine Part of SA2995, a Ca^{2+} Antagonist Having a Benzothiazine Skeleton, and Structure Activity Relationships

K.Fujimura*, M.Fujita, H.Suhara and Y.Kawashima, *Developmental Research Lab., Santen Pharmaceutical Co.,Ltd., 9-19, Shimoshinjo 3, Higashiyodogawa-ku, Osaka 533, Japan*

Conformational analysis was done for the 2-phenylbenzothiazine part of 1(R=H,OCH_3,SCH_3,CH_3,i-C_3H_7) by MO method. The molar fractional ratios within a particular range of 2-phenyl ring rotational angle that contained each global minimum conformation were found to correlate well with the activities.

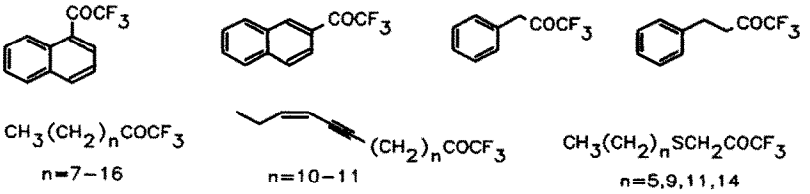


1

BioMed. Chem. **1994**, *2*, 243

SYNTHESIS OF TRIFLUOROMETHYL KETONES AS INHIBITORS OF ANTENNAL ESTERASES OF INSECTS

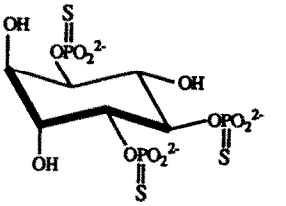
A. Parrilla, I. Villuendas and A. Guerrero*
Department of Biological Organic Chemistry, C.I.D. (CSIC)
Jordi Girona Salgado, 18-26. 08034 Barcelona. Spain



BioMed. Chem. **1994**, *2*, 253

SYNTHESIS OF 1L-*CHIRO*-INOSITOL 2,3,5-TRISPHOSPHOROTHIOATE, THE FIRST PARTIAL AGONIST AT THE PLATELET *MYO*-INOSITOL 1,4,5-TRISPHOSPHATE RECEPTOR

C Liu, J Al-Hafidh, J Westwick and B V L Potter*
School of Pharmacy & Pharmacology, University of Bath, Claverton Down, Bath BA2 7AY, UK.

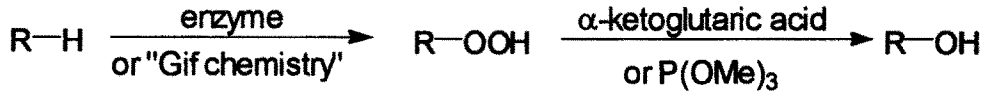


Chiro-inositol 2,3,5-trisphosphorothioate was synthesised from quebrachitol and established as a partial agonist for mobilisation of intracellular Ca^{2+} in permeabilised platelets.

BioMed. Chem. **1994**, *2*, 259

The Functionalisation of Saturated Hydrocarbons. Part 30. Model Studies on the Mechanism of Some Oxygenases

Derek H.R. Barton*, Christophe O. Bardin, Dario Doller.
Department of Chemistry Texas A&M University; College Station, TX 77843-3255

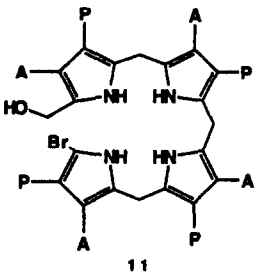


BioMed. Chem. **1994**, *2*, 267

19-BROMO-1-HYDROXYMETHYLBILANE, A NOVEL INHIBITOR OF URO'GEN III SYNTHASE.

Clotilde Pichon*, Barbara P. Atshaves, Richmond Danso-Danquah, Neal J. Stolowich and A. Ian Scott*.
Center for Biological NMR, Department of Chemistry, Texas A&M University, College Station, Texas 77843-3255, USA.

A novel hydroxymethylbilane analog, 19-Br-HMB (**11**), has been synthesized. Its activity with the enzyme Uro'gen III synthase shows competitive inhibition.

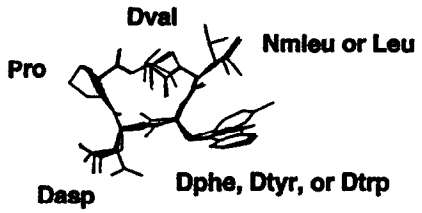


11

BioMed. Chem. **1994**, *2*, 279

SYNTHESIS, MOLECULAR MODELLING, AND NMR STRUCTURE DETERMINATION OF FOUR CYCLIC PEPTIDE ANTAGONISTS OF ENDOTHELIN

Erin K. Bradley*, Simon C. Ng,
Reyna J. Simon, & David C. Spellmeyer
Chiron Corporation, 4560 Horton Street, Emeryville, CA 94608



Superposition of 4 cyclic peptide NMR structures

BioMed. Chem. **1994**, *2*, 297

Synthesis and Transacylating Reactivity of ß-Cyclodextrin Ethylenediamines.

John C. Beeson and Anthony W. Czarnik, Department of Chemistry, The Ohio State University, Columbus, OH 43210, USA

The syntheses and transacylating activities of an ethylenediamine-bridged cyclodextrin dimer compound is reported, together with those of reference cyclodextrinylamines.