Synthesis and Properties of Novel Medium-Sized Heterocyclic Compounds Containing Two Sulfur Atoms in the Ring and Synthetic Approaches to Conjugated Cyclic Disulfonium Ylides.
Hiroshi SHIMIZU,* Hiroyoshi WATANABE, Masahiro MIZUNO, Tadashi KATAOKA and Mikio HORI

A New dithiecin, tribenz[\(h,f,i\)][1,4]dithiecin 1 was prepared by coupling 2,2'-bis(bromomethyl)biphenyl with 1,2-benzenedithiol in the presence of sodium hydride in acetonitrile. Another novel dithiecin derivative, 1,8-dihydro-2,7-benzodithiecin 2 was synthesized by coupling of 1,4-dimercapto-2,3-O-isopropylidene-L-glutathione with \(\alpha,\alpha'\)-dibromo-o-xylene, followed by hydrolysis and subsequent dehydration via the mesylate derivative. The benzodithiecin 2 was also prepared by treatment of \(\alpha,\alpha'\)-mercapto-o-xylene with butadiyne along with \(\alpha,\alpha'\)-bis(1-buten-3-ythio)-o-xylene 3 as a byproduct. Compound 3 was subjected to an intramolecular coupling reaction using CuCl-pyridine-O<sub>2</sub> in benzene to yield the 12-membered ring compound. We also describe our effort to prepare the corresponding cyclic diylide compounds from the above new dithiecins 1 and 2 and known dithiecin.

Erythrinan Alkaloids and Isoflavonoids from *Erythrina poepigiana*.
Hitoshi TANAKA, Hideo ETOH, Hiroshi SHIMIZU,* Tomoko OH-UCHI, Yukimasa TERADA and Yoichi TATEISHI

A new erythrinan alkaloid, 8-oxo-\(\alpha\)-erythroine epoxide, was isolated from wood of *Erythrina poepigiana* together with the five known compounds, 8-oxo-\(\alpha\)-erythroine, erystagaline C, alpinumisoflavone, erythrinin C and eryvarin A. Their structures were elucidated on the basis of spectroscopic evidence.

Erysubins C-F, Four Isoflavonoids from *Erythrina suberosa var. glabrescences*.
Hitoshi TANAKA, Hideo ETOH, Naoharu WATANABE, Hiroshi SHIMIZU,* Mansoor AHMAD and Ghazala Hafoez RIZWANI

Four isoflavonoids, erysubins C-F, together with ten known compounds were isolated from the roots of *Erythrina suberosa var. glabrescences*, and their structures were elucidated on the basis of spectroscopic evidence. Erysubin C is an unusual pterocarpan derivative with a formyl group.

Revised Structures for Senegalensin and Euchrenone b<sub>10</sub>.
Hitoshi TANAKA, Mitsunobu DOI, Hideo ETOH, Naoharu WATANABE, Hiroshi SHIMIZU,* Miyuki HIRATA, Mansoor AHMAD, Imran QURASHI and Mohammad Rohan KHAN

Two prenylated isoflavones (1 and 2) with a hydroxyisopropylidihydrofuran moiety have been isolated from the wood of *Erythrina suberosa var. glabrescences*. The structure of compound 1 was in good agreement with that of the previously reported senegalensin, isolated from the stem bark of *Erythrina senegalensis*. The structure of senegalensin was revised from structure 2 to structure 1 by spectroscopic means. Compound 2, the regiosomer of 1, was confirmed as euchrenone b<sub>10</sub> by comparison with the spectral data of the reported euchrenone b<sub>10</sub>, isolated from the roots of *Euchresta horsfeldii*. The structure of 2 was established by 2D NMR spectroscopic analysis and by the X-ray crystallographic analysis of its p-bromobenzoyl derivative.