CHEMICAL & PHARMACEUTICAL BULLETIN

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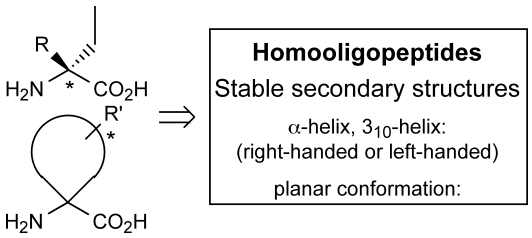
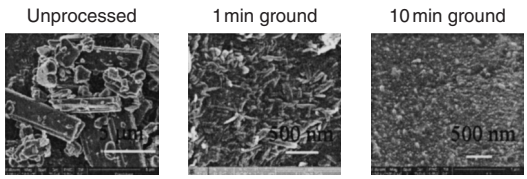
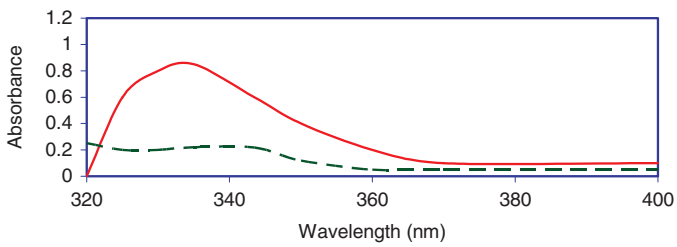
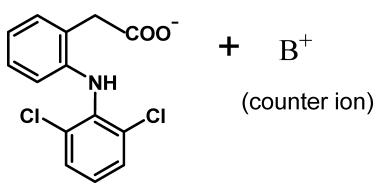


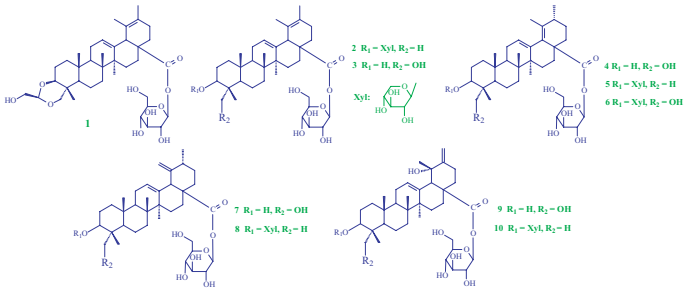
Regular Articles

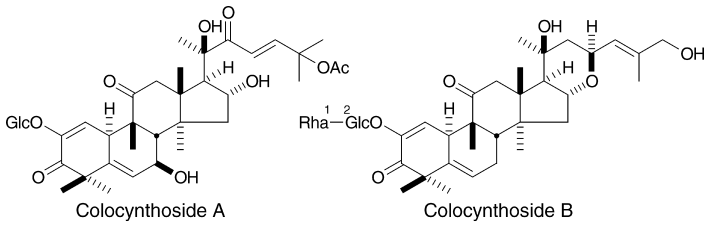


Particle size reduction of pranlukast after grinding with β-Cyclodextrin

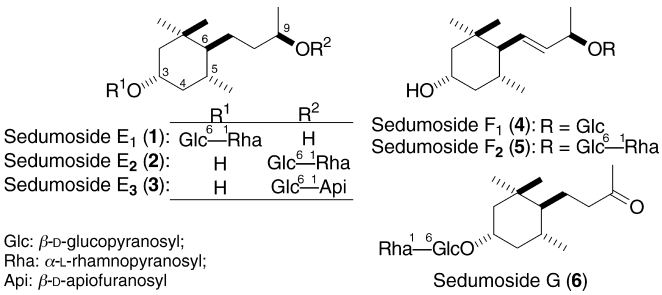






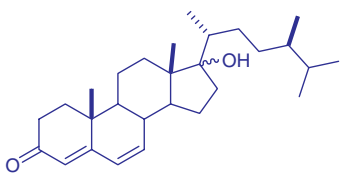


Glc: β-D-glucopyranosyl; Rha: α-L-rhamnopyranosyl

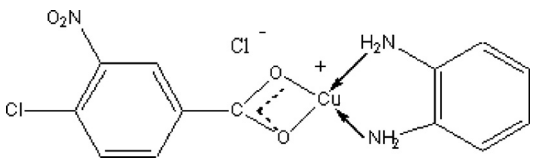


Glc: β-D-glucopyranosyl;
Rha: α-L-rhamnopyranosyl;
Api: β-D-apiofuranosyl

Notes



Glutathione *S*-transferase (GST) assay-directed fractionations of the ethanolic extracts of *Caesalpinia bonduc* yielded one new sterol, 17-hydroxycampesta-4,6-dien-3-one (**1**), two known 13,14-*seco*-sterols, one known cassane furanoditerpene as well as one known aromatic dioxane, as the active compounds. GST inhibitory activity of the isolated compounds was compared with sodium taurocholate, a standard GST inhibitor.



Communications to the Editor

About the cover: ORIGAMI, the Japanese art of paper folding, is one traditional pastime in Japanese culture, and it is also well-known as one aspect of Japanese beauty throughout the world. Colorful flat square pieces of paper are folded eloquently into ORIGAMIs such as a TSURU (crane), YAKKOSAN (person), KABUTO (traditional warriors helmet), NINJA fighting star, FUSEN (balloon), and SARA (dish) as shown in the cover picture (clockwise from crane). Also, oligopeptides composed of chiral α,α-disubstituted amino acids have a strong tendency to adopt specific compact conformations (planer, 3_{10}-helix, and α-helix), though they are inferior to the ORIGAMI. The cover picture shows a regularly folded left-handed 3_{10}-helix (left side) and a left-handed α-helix (right side) of oligomers that consist of chiral cyclic α,α-disubstituted amino acids having side-chain chiral centers. See the review by Tanaka on page 349 of this issue.