

### 3-3-14. Acyl-CoA : Cholesterol Acyltransferase Inhibitors Isolated from *Bombycis corpus*

Ho-Sil Park, Tae-Sook Jeong<sup>1</sup>, Ha-Na Yoo<sup>1</sup>, Ming Zhe Xu,  
Doo-Sang Park and Ho-Yong Park

*Biological Resources Laboratory, <sup>1</sup>Lipid Metabolism Laboratory;  
Korea Research Institute of Bioscience and Biotechnology (KRIBB)*

Acyl-CoA : Cholesterol Acyltransferase (ACAT) inhibitors were isolated from the methanol extract of *Bombycis corpus*. Two compounds were purified using silica gel column chromatography, preparative HPLC. Their structures were determined by <sup>1</sup>H-NMR, <sup>13</sup>C-NMR, FAB-MS. They were identified cyclodepsipeptides, beauvericin, beauvericin A. The IC<sub>50</sub> values for rat microsome ACAT were 29 μM, 18 μM.