

Biotransformation of (–)-Caryophyllene Oxide by Cell Suspension Culture of *Catharanthus roseus*

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Catharanthus roseus cell suspension cultures were employed for the biotransformation of (–)-caryophyllene oxide (**1**), and four metabolites, 15-hydroxycaryophyllene oxide (**2**), 4 β ,5 α -dihydroxycaryophyll-8(13)-ene (**3**), 2 β -hydroxycaryophyllene oxide (**4**), and 2-hydroxy-4,5-epoxycaryophyllan-13-ol (**5**) were obtained. Metabolites **4** and **5** were found to be new compounds, and their structures were deduced by different spectroscopic techniques.

Key words: (–)-Caryophyllene Oxide, Biotransformation, *Catharanthus roseus*, Cell Suspension Cultures