Formation of Epoxy beyeranes during the Auto-oxidation of Ent-beyer-15-en-19-al isolated from the Essential oil of the Heartwood of *Erythroxylum monogynum* Roxb.

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Composition of the Essential Oil (from tage I of the distillation) of the Heartwood of *Erythroxylum monogynum*

| Compound*       | Relative Peak Area (%) | Retention Index (Calculated) | Retention Index (NIST Database) |
|-----------------|------------------------|------------------------------|---------------------------------|
| 1 α-Pinene      | 53.92                  | 929                          | 937                             |
| 2 Camphene      | 1.32                   | 952                          | 952                             |
| 3 β-Pinene      | 0.98                   | 979                          | 979                             |
| 4 β-Myrcene     | 0.23                   | 991                          | 991                             |
| 5 p-Cymene      | 0.77                   | 1020                         | 1025                            |
| 6 Limonene      | 3.29                   | 1025                         | 1030                            |
| 7 Fenchyl alcohol| 1.74                   | 1110                         | 1115                            |
| 8 Camphor       | 0.52                   | 1150                         | 1143                            |
| 9 Borneol       | 2.22                   | 1170                         | 1167                            |
| 10 Terpene-4-ol | 0.64                   | 1180                         | 1177                            |
| 11 α-Terpineol  | 12.67                  | 1190                         | 1189                            |
| 12 (-)-Mytenol  | 0.61                   | 1220                         | 1213                            |
| 13 Ent-beyerene (Stachene) | 2.53 | 1949                   | 1943                            |
| 14 Ent-beyer-15-en-19-al | 4.16 | 2178                   | #                               |
| 15 Labd-14-ene-8,13-diol | 0.87 | 2230                   | 2227                            |
| 16 Erytroxylol-A | 6.37                   | 2273                         | #                               |
| **Total**       |                        | 92.84                        |                                 |

*Probability factor for compounds in NIST database > 90%.

#Not listed in the NIST database. Identified by isolation and elucidation of structures.