

ADDITIONAL FILE 1

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	<i>p</i> - 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	<i>Ent</i> -beyerene (Stachene)	2.53	1949	1943
14	<i>Ent</i> -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.