

Study	Ly et al. (2001)	Rana et al. (2010)	Ly et al. (2001)	Long et al. (2019)	Long et al. (2019)	Raina et al. (2014)
Extraction Method	Hydrodistillation	Hydrodistillation	Hydrodistillation	Steam distillation	Steam distillation	Hydrodistillation
Plant Part	Fresh rhizomes	Fresh rhizomes	Dry rhizomes	Dry rhizomes	Dry rhizomes	Dry rhizomes
Origin	From a local market in Hanoi Vietnam	Imphal, India	From a local market in Hanoi Vietnam	(Zhutou Galangal) Xuwen Guangdong, China	(Fenwo Galangal) Xuwen Guangdong, China	Imphal district of Manipur from North East India and multiplied in Shillong, India
Compound						
1,8-Cineole	50	28.3	8.2	0.37 ± 0.44	29.13 ± 4.16 *	44.2
α-Terpineol	1.2	6.7	0.9	1.45 ± 0.55	9.54 ± 0.82 *	6.3
Caryophyllene	6.4	0.3	2.9	3.48 ± 0.038	3.55 ± 1.14	4.3
Terpinen-4-ol	1.6	1.2	1.4	0.62 ± 0.11	1.89 ± 0.8 *	4.5
α-Pinene	1.7	1.2	ND	0.78 ± 0.40	1.50 ± 0.65 *	2
β-Pinene	2.6	3.1	ND	1.36 ± 0.56	2.23 ± 0.86	5.7
Camphene	0.1	2.3	ND	1.83 ± 0.86	1.79 ± 0.67	3.2
α-Farnesene	0.8	0.4	3.3	42.65 ± 9.83	6.00 ± 1.47 *	-
Humulene	0.5	-	1.4	1.13 ± 0.08	1.02 ± 0.20	-
Camphor	-	3.4	-	2.87 ± 0.41	1.78 ± 0.10 *	4
Borneol	-	1.7	-	0.68 ± 0.18	0.69 ± 0.35	1.1
α-Fenchyl acetate	-	15.2	-	0.46 ± 0.29	0.48 ± 0.13	8.9
α-Bergamotene	1.3	0.1	4.7	0.27 ± 0.05	3.40 ± 0.43	-
Germacrene	0.2	0.1	1.5	0.50 ± 0.15	1.09 ± 0.67	-
α-Bisabolol	0.3	0.3	2.6	0.90 ± 0.31	0.38 ± 0.07 *	-
β-Bisabolene	2.6	ND	9.6	0.67 ± 0.23	0.74 ± 0.13	ND
Caryophyllene oxide	0.1	0.1	1.3	-	-	0.2
Methyl eugenol	1	ND	3.3	-	-	2.9
(±)-γ-Cadinene	-	0.2	-	2.98 ± 0.46	7.15 ± 0.71 *	-
T-Cadinol	ND	-	0.4	1.60 ± 0.38	0.86 ± 0.28 *	-