

**Annex 1:** compounds detected in both MeOH leaf and stem extracts of *M. pyrifolia* through GC-MS

COMPOUND Name	Class	MF	MW (g/mol)	RT	Area%
Iso-sativene	Sesquiterpene	C <sub>15</sub> H <sub>24</sub>	204	11.995	10.34
Beta. -copaene	Sesquiterpene	C <sub>15</sub> H <sub>24</sub>	204	12.147	34.14
Caryophyllene (α-humulene, α-caryophyllene)	Sesquiterpene	C <sub>15</sub> H <sub>24</sub>	204	12.688	12.13
Alpha. -Curcumene	Sesquiterpene	C <sub>15</sub> H <sub>24</sub>	202	13.395	29.27
Aromadendrene oxide-(2)	Sesquiterpene	C <sub>15</sub> H <sub>24</sub> O	220	14.964	14.11
Alpha. -ylangene	Sesquiterpene	C <sub>15</sub> H <sub>24</sub>	204	11.995	1.76
Bicyclo[7.2.0]undec-4-ene, 4,11,11-trimethyl-8-methylene- (alpha-selinene)	Sesquiterpene	C <sub>15</sub> H <sub>24</sub>	204	12.685	5.41
Humulene (α-humulene or α-caryophyllene)	Sesquiterpene	C <sub>15</sub> H <sub>24</sub>	204	13.197	2.39
7-epi-Sesquithujene	Sesquiterpene	C <sub>15</sub> H <sub>24</sub>	204	13.555	2.31
1-Isopropyl-4,7-dimethyl-1,2,3,5,6,8a-hexahydronaphthalene	Terpene	C <sub>15</sub> H <sub>24</sub>	204	13.948	6.86
1,1,7,7a-Tetramethyl-1a,2,6,7,7a,7b-hexahydro-1H-cyclopropa[a]naphthalene	Terpene	C <sub>15</sub> H <sub>22</sub>	202	14.051	3.22
Caryophyllene oxide	Sesquiterpene	C <sub>15</sub> H <sub>24</sub> O	220	14.962	8.28
Beta. -Bisabolene	Sesquiterpene	C <sub>15</sub> H <sub>24</sub>	204	15.315	3.21
Beta. -ylangene	Sesquiterpene	C <sub>15</sub> H <sub>24</sub>	204	15.686	2.14
7-(1,3-Dimethylbuta-1,3-dienyl)-1,6,6-trimethyl-3,8-dioxatricyclo [5.1.0.0(2,4)] octane	Terpene	C <sub>15</sub> H <sub>22</sub> O <sub>2</sub>	234	17.556	2.12
Phytol (3,7,11,15-Tetramethyl-2-hexadecen-1-ol	Diterpene	C <sub>20</sub> H <sub>40</sub> O	296	20.421	2.78
2-Hexadecen-1-ol, 3,7,11,15-tetramethyl)					
Trans-Geranylgeraniol	Diterpene	C <sub>20</sub> H <sub>34</sub> O	290	26.847	1.77
Lupeol, trifluoroacetate	triterpene	C <sub>32</sub> H <sub>49</sub> F <sub>3</sub> O <sub>2</sub>	522	31.029	16.60

**MF:** molecular formula, **MW:** molecular weight, **RT:** retention time