Table S3. Phytochemistry related to inflammatory processes in species of the Nepetoideae (Lamiaceae) subfamily.

Specie	Plant part	Phytochemistry	Reference
Agastache mexicana Lint. & Epling	Aerial parts; inflorescences	Ursolic acid, limonene	González-Ramírez et al., 2012; Verano et al. 2013; González-Ramírez et al., 2021
Agastache rugosa Kuntze	Aerial parts; leaves	Rosmarinic acid	Kim et al., 2017; Lim et al., 2017; Lee et al., 2020
Asterohyptis stellulata (Benth.) Epling	Aerial parts	2-(3,4-dihydroxyphenil)-5,7-dihydroxy-3-[2,3,4-trihydroxy-5-(hydroxymethyl) cyclohexoxyl]; chromen-4-one**;** quercetin-3-O-glicoside**;** 2-O-(4-hydroxy-cinnamoyl), 4′-O-D**-**glucopyranoside.	Álvarez-Santos et al., 2022
Cedronella canariensis (L.) Webb & Berthel.	Flowers	Cedronelle, *d*-pinocarvone, tyrosol-derived fatty acids, β-sitosterol.	Lopez-García et al., 1991
Clinopodium bolivianum (Benth.) Kuntze	Aerial extract	Phenolic compounds and sugars.	Mohanty et al., 2017
Clinopodium chinense (Benth.) Kuntze	Whole parts	Naringenin, rutin, hesperidin, quercitrin, kaempferitrin, caffeic acid, quercetol, kaempferol, ponciretin 7-O-α-L-rhamnopyranosyl-(1→6)-β-D-glucopyranoside, naringenin 7-O-α-L-rhamnopyranosyl-(1→6)-β-D-glucopyranoside, 3-O-{β-D-glucopyranosyl-(1→2)-[β-D-glucopyranosyl-(1→3)]-β-D-fucopyranosyl}-saikogenin F, 3-O-{β-D-glucopyranosyl-(1→2)-[β-D-glucopyranosyl-(1→3)]-β-D-fucopyranosyl}-21β-hydroxysaikogenin F, tournefolic acid B.	Yu et al., 2019; Kim et al., 2020; Li et al., 2020; Li et al., 2022; Wang et al., 2023
Clinopodium polycephalum (Vaniot) C.Y. Wu & S.J. Hsuan	Root and stem	Saturol I**;** 3β-22, 25-dihydroxy-tirucalla-7, 23-dieno**;**maslinic acid**;** 2α, 3α**-**dihydroxyolean-12-en-28-oic acid**;** hederagenin**;** 2α, 3α-dihydroxyursolic acid**;** alphitolic acid	Liu et al., 2022
Clinopodium tomentosum (Kunth)	Aerial parts	Rosmarinic acid**;** hesperidin	Tubon et al., 2020.
Clinopodium vulgare L.	Flowers	Rosmarinic acid; neochlorogenic acid; catechin; chlorogenic acid, quercetin apigenin, caffeic acid	Petrova et al., 2023; Dobrev, H.P. 2021; Amirova et al., 2019; Burk et al., 2009.

Specie	Plant part	Phytochemistry	Reference
Coleus scutellarioides (L.) Benth.	Leaves	Phytol, germacrene-d, caryophyllene, neofitadien, δ-cadinene, α-humulene; 6, 10, 14-trimethyl-2-pentadecanone; copaene, (-) caryophyllene oxide, α-selinene, methyl Eugenol, Octadecane, α-cadinol, 1,2-dimethyl-3-ethylbenzene, nonadecane, 1,3-diisopropenyl-6-methyl-cyclohexene, β-sesquiphellandrene, dokosan, vitamin A aldehyde, (+)-Aromadendrene, nerolidol, acetamide, α-calacorene, torreyol, 9-octadecenoic acid, 7-octene-4-ol, 1,1'-oxybis-dodecane, trimethyl-tetrahydronaphthalene, 2-methyl-4-(1-methyl ethyl-2-cyclohexenone, 1-(3,7-dimethyl-1-octenyl)-cyclopropanol, 5-benzofuran acetic acid, 6, 10-dimethyl-2-undecanone, α-cubebene, 1-(1-oxo-15-tetracocenil)-pyrrolidine, heneiosen, linalool, tetracosahexaene, neomenthol, heptacosane, olealdehyde, isophytol.	Mustaricihie et al., 2017; Mustaricihie et al., 2022.
Collinsonia canadensis L.	Aerial parts	Thymol**;** carvacrol	Mahomoodally et al., 2021
Dracocephalum heterophyllum Benth.	Whole plant	oleanolic acid, ursolic acid, pomolic acid, 2α- hydroxyl ursolic acid, apigenin-7-O-rutinoside, luteolin, diosmetin, rosmarinic acid, methyl rosmarinate., dehydrodipine-9-β-D-glucoside, verbascoside.	Shi et al. 2016; *Bian et al., 2020
Dracocephalum forrestii W.W. Sm.	Whole plant	4-hydroxy-3-methoxyphenylethanol-8-O-[(6-O-syringoyl)-β-D-glucopyranoside]**;** 3,4,5-trimethoxyphenyethanol β-D-glucopyranoside**;** 4-O-[β-D-glucopyranosyl-(1 → 3)-α-L-rhamnopyranosyl]phenylethylcinnamamide**;** 9″-O-n-butyl lithospermate	Li et al., 2009
Dracocephalum kotschyi Boiss.	Aerial parts and leafy branches	Apigenin	Sandraei et al. 2017; Kalantar et al., 2018; Hosseini-Sharifabad et al, 2021; Minaiyan et al., 2021
Dracocephalum taliense Forrest	Root	12-methoxy-18-hydroxy-sugiol**;** 2α,3α-dihydroxy-11α,12α-epoxi-urs-28,13β-olide**;** sugiol**;** abieta-8,11,13-triene**;** dehydroabietane**;** ferruginol**;** cryptojaponol**;** inuroyleanol**;** callitrisic acid**;** 11,14-dihydroxy-12,19-dimethoxy-7-oxo-8,11,13-abietatrien-19,20-olide**;** totarol**;** 7α-hydroxytotarol**;** sempervirol**;** cyclocoulterone**;** *E*-ergosta-6,9,22-triene-3β,5β,8α-triol**;** (22*E*)-ergosta-6,22-diene-3β,5β,8α-triol**;** estigmast-4-en-6β-ol-3-one	Deng et al., 2018
Dracocephalum moldavica L.	Aerial parts	Tilianine; oleanolic acid; Dracocefalumoids A-E, uncinatone; rosmarinic acid; caffeic acid; feluric acid; luteolin-7-O-β-D-glucuronide; tilianine; cosmosiin; apigenin-7-O-β-D-glucuronide; chrysoeriol-7-O-β-D-glucuronide; apigenin-7-O-β-D-(6"-O-malonyl) glucoside; acacetin-7-O-β-D-glucuronide; acacetin-7-O-β-D-(6"-malonyl) glucoside	Xing et al., 2013; Shen et al., 2019; Kim et al., 2021; Nie et al., 2021; Sheychenko et al., 2021

Specie	Plant part	Phytochemistry	Reference
Dracocephalum palmatum Stephan ex Willd.	Aerial parts	caffeic acid, 3-*O*-caffeoylquinic acid, rosmarinic acid, salvianolic acid B, caftaric acid, cichoric acid, umbelliferone, aesculetin, apigenin, cosmosiin, apigenin-7-*O*-β-D-glucuronopyranoside, isorhoifolin, luteolin, cynaroside, luteolin-7-*O*-β-D-glucuronopyranoside, luteolin-4⍵*O*-β-D-glucopyranoside, scolymoside, naringenin, naringenin-7-*O*-β-D-glucopyranoside, eriodictyol, eriodictyol-7-*O*-β-D-glucopyranoside, ursolic acid, oleanolic acid.	Olennikov et al. 2013; Andreyeva et al. 2020; Chirikova et al. 2021
Dracocephalum rupestre Hance	Whole plant	Eriodictyol, Phenolic and flavonoid compounds.	Ferreira et al. 2016; Zhu et al. 2017
Elsholtzia blanda Benth.	Whole plant	5, 5′-dihydroxy-7-methoxy-6,8,3′′, 3′′-tetramethylpiran-(3′, 4′)flavone; 5, 5′-dihydroxy-7-(α-methyl)butyroxyl-6,8,3′′,3′′-tetramethylpiran(3′,4′)-flavone; 5, 5′-dihydroxy-6, 7-methylenedioxy-8,3′′,3′′-trimethylpyran(3′,4′)-flavone.	Zheng et al., 2001
Elsholtzia ciliata (Thunb.) Hyl.	Leaves; aerial parts	Ursolic acid, Oroxylin A; caffeic acid, luteolin, apigetrin, rosmarinic acid, linarin, luteoloside, apigenin, kumatakenin; rutin, hyperoside, quercitrin, avicularin, chlorogenic acid, p-coumaric acid, luteolin-7-O-glucoside, apigenin-7-O-glucoside, diosmetin. vitexin, pedalin, luteolin-7-O-β-D-glucopyranoside, apigenin-5-O-β-D-glucopyranoside, apigenin-7-O-β-D-glucopyranoside chrysoeriol-7-O-β-D-glucopyranoside, 7,3⍵methoxy luteolin-6-O-β-D-glucopyranoside, 5,6,4′-trihydroxy-7,3′-dimethoxyflavone,5-hydroxy-6,7-dimethoxyflavone, 4-(E)-caffeoyl-L-threonic acid, 4-O-(E)-p-coumaroyl-L-threonic acid, α-linolenic acid; Vitexina, pedalina, lueolin, negletein, linarin, apigenin, apigetrin, diosmetin; butin; isokanin; sulfuretin, neoisoliquiritin, kumatakenin; orientin; isoorientin; swertisin; chrysoeriol; osmundacetone; gnaphaliin C; everlastoside; danshensu; pinoresinol; terpinolene; elsholtzia ketone	Wang et al., 2022; Zhang et al., 2021; Zotsenko et al., 2021; Nguyen et al., 2021; Pudziuvelyte et al., 2020; Kim et al., 2016; Kim et al., 2011
Elsholtzia densa Benth.	Aerial parts	Quercetin, 3-glycoside, apigenin, 7-(2″-acetyl-6″-methylglucuronide), betulinic acid.	Zargar et al., 2019
Elsholtzia rugulosa Hemsl.	Aerial parts	(±)-rugulolides A-C, rugulolide D. luteolin, luteolin-3⍵*O*-β-D-glucopyranoside, luteolin-7-*O*-β-D-glucopyranoside, quercetin-3-*O*-β-D-glucopyranoside, quercetin-3⍵O-β-D-glucopyranoside, apigenin, apigenin-4′-*O*-α-D-glucopyranoside, apigenin-7-*O*-β-D-glucopyranoside, eriodictyol 7-*O*-β-D-glucopyranoside, nepetoidin A, nepetoidin B, rosmarinic acid, methyl rosmarinate, syringaresinol, pinoresinol-4⍵*O*-β-D-glucopyranoside, pinoresinol-4,4⍵*O*-β-D-bisglucopyranoside, maltol 6′-*O*-(5-*O*-*p*-	Yang et al. 2021

Specie	Plant part	Phytochemistry	Reference
		coumaroyl)-β-D-apiofuranosyl-β-D-glucopyranosid, shimobashiraside A, prunasin, citrusin C, phenyl-β-D-glucopyranoside, 2-phenylethyl β-D-glucopyranoside, naginata ketone, oresbiusin A, tanshinol.	
Elsoltzia stachyodes (Link) C.Y. Wu	Whole plant	Tannis, flavonoids, triterpenes and saponines	Banerjee et al. 2021
Elsholtzia stauntonii Benth.	Aerial parts	Galic acid; hydroxyphenyl acetic acid; chlorogenic acid; caffeic acid; syringic acid; benzoic acid; trans-ferulic acid; sinapic acid; trans-cinnamic acid; quinic acid; rutin; quercetin-3-β-glucoside; naringenin; neohesperidin; quercetin; luteolin; Kaempferol	Zotsenko et al., 2021
Eplingiella fruticosa (Salzm. ex Benth.) Harley & J.F.B. Pastore	leaves	α-pinene, camphene, sabinene, β-pinene, limonene, 1,8-cineole, camphor, borneol, δ-elemene, α-cubebene, α-ylangene, β-elemene, β-caryophyllene, trans-muurola-3,5- diene, α-humulene, cis-murrola-4(14),5- diene, trans-murrola4(14),5-diene, Bicyclogermacrene, cis-calamenene, trans-cadina-1,4- diene, α- cadinene, spathulenol, globulol, epi-α-cadinol, α-cadinol	Beserra-Filho et al. 2019
Glechoma hederacea L.	Whole plant	Methyl isoferuloyl-7-(3,4-dihydroxyphenyl) lactate, methyl rosmarinate, ethyl rosmarinate, benzyl-4′-hydroxy-benzoyl-3′-O-β-D-glucopyranoside, 3′-O-methyl-rosmarinic acid, rosmarinic acid. gallic acid; catechin hydrate; chlorogenic acid; caffeic acid; daidzin; ferulic acid; rutine; genistin; quercetin; genistein; trans-3-pinanone; 4, 5, 6, 7-tetrahydro-5-isopropenyl-3,6-β-metil-6-α-vinyl benzo furan; β-caryophyllene; spathulenol.	An et al., 2006 Kim et al., 2011 Vogl et al. 2013 Wang et al., 2017 Chou et al., 2018
Glechoma longituba (Nakai) Kuprian.	Whole plant	Apigenin-7-diglucoronide	Bian et al., 2017
Horminum pyrenaicum L.	Root	Horminone, 7-O-acetylhorminone, inuroyleanol, 15,16-dehydro-inuroroyleanol, agastaquinone, 3-deoxiagastaquinone, agastol, 15,16-dehydro-agastol	Becker et al., 2018
Hyptis capitata Jacq.	Leaves and seeds	Alkaloids, coumarins, glycosides, flavonoids, quinones.	Castro et al. 2021
Hyptis crenata Pohl ex Benth.	Leaves; Aerial parts.	1,8-cineo1e, α-pinene, camphor, β-pinene, 3-(Z)-hexenol, tricyclene, α-thujene, α-fenchene, camphene, thuja-2,4(10)-diene, myrcene, α-phellandrene, α-terpinene, p-cymene, o-cymene, γ-terpinene, terpinolene, exo-fenchol, cis-p-menth-2-en-1-ol, camphene hydrate, pinocarvone, borneol, terpinen-4-ol, p-cymen-8-ol, α-terpineol, myrtenol, α-longipinene, γ-maaliene, aromadendrene, selina-5,11-diene, α-himachalene,	De Jesus et al., 2009; Coelho-De-Souza et al., 2021; Allves-Soares et al., 2022; Shipa et al., 2022; De Lima et al., 2023;

Specie	Plant part	Phytochemistry	Reference
		α-humulene, 9-epi-E-caryophyllene, γ-himachalene, 11α-Himachala-1,4-diene, viridiflorene, β-himachalene, Spathulenol, viridiflorol, caryophylla-4(12),8(13)-dien-5β-ol, , allo-himachalol, pinene, β-caryophyllene.	
Hyptis marrubioides Epling	Leaves	α-thujene; β-thujene, α-copaene; α-caryophyllene; germacrene D; cadalene; cedrol	Botrel et al., 2010
Hyptis pectinata (L.) Poit.	Flowers	Pectinolide J; hyptolide; pectinolide E	Santana et al., 2022
Hyptis suaveolens (L.) Poit.	Leaves	Suaveolol y methyl suaveolate	Almeida-Bezerra et al., 2022
Hyptis umbrosa Salzm. ex Benth.	Leaves	Epigalocatechine; tannic acid; lupeol; borneol; gallic acid; gallocatechin; chlorogenic acid; protocatechuic acid; catechin; apigenin; kaempferol; chrysin	Anjos et al., 2017
Hissopus cuspidatus Boriss.	Aerial parts	Rosmarinic acid, 3β-hydroxy-7,8-dihydro-β-ionone, oleanolic acid, ferulic acid, ethyl ferulate, (E)-3–4-hydroxy-3-methoxyphenyl)acrylic acid, 3,4-dihydroxy benzaldehyde, quercetin, quercetin-3-O-glucopyranoside, luteolin, luteolin-7-O-rutinoside, diosmetin, diosmetin-3′-O-β-D-glucopyranoside, apigenin-6,8-di-C-β-D-glucopyranoside, 3-(4-hydroxy-3-methoxy-phenyl) acrylic acid carboxymethyl ester, caffeic acid methyl ester, Luteolin 7-O-α-L-rhamnopyranosyl (1 --> 6)-β-D-glucopyranoside, luteolin 7-O-β-D-glucuronide, diosmin, acacetin 7-O-α-L-rhamnopyranosyl(1 --> 6)-β-D-glucopyranoside.	Qin et al., 2023; Aihaiti et al., 2023; Cai et al., 2023; Ling-Fei, K. et al, 2023; Liu et al., 2021; Liu et al., 2021b: Yuan et al., 2019; Zhao et al., 2013
Hyssopus officinalis L.	Aerial parts	Chlorogenic acid; rosmarinic acid	Ma et al., 2014 Mohammad et al., 2019 Micovic et al., 2022
Isodon adenanthus (Diels) Kudô	Leaves	Adenantin	Yin et al., 2013
Isodon amethystoides (Benth.) H. Hara	Whole plant	Glaucocalyxin A	Xiang et al. 2014
Isodon coetsa (Buch.-Ham. ex D. Don) Kudô	Leaves	Spironolactone, 7α,20-epoxy-ent-kaurane	Neelamkavil Thoppil, 2013, 2014

Specie	Plant part	Phytochemistry	Reference
Isodon enanderianus (Hand. -Mazz.) H.W. Li	Aerial parts	Enanderinanine J	Na et al., 2010
Isodon eriocalyx (Dunn) Kudô		Eriocalyxin B, Phomopchalasin A, Phomopchalasin B, Phomopchalasin C, 11α,15α-diacetoxy-6β,7β-dihydroxy-7α,20-epoxi-ent-kaur-16-eno; 1α,15β-diacetoxy-6β,7β-dihydroxy-7α,20-epoxi-ent-kaur-16-ene; maoecrystal S; maoecrystal D; hikiokoshin C; maoecrystal A; eriocalyxin D; maoecrystal E	Lu et al., 2013 Leung et al., 2006 Yan et al., 2016 Lou et al. 2019 Zhang et al. 2020 Li et al., 2021
Isodon excisus (Maxim.) Kudô	Leaves	Inflexinol, inflexin	Lee et al. 2007; Ko et al. 2010.
Isodon henryi (Hemsl.) Kudô	Whole plant	Isohenolide A; isohenolide B; 6α, 15β-dihydroxy-6, 20-epoxi-enmein-16-en; isorubesin D; isorubesin A; epinodosin; isodocarpine; rabdoternine A; lasiokaurinin; 1α, 11α, 15β-triacetyl-6β, 7β-dihydroxyl-7α, 20-epoxi-kaur-16-ene; radbdosianin A; oridonina; effusanin A; lasiokaurin; rosthorin A; lasiodonin.	Cheng et al., 2022
Isodon japonicus (Burm. f.) H. Hara	Aerial parts	(-)-sesamin-2,2⍟diol, caffeic acid, isoquercitrin, rosmarinic acid, pedalitin, kamebanin, kamebacetal A, kamebakaurin, excisanin A; Effusanin C: isodojaponin D.	Hwang et al. 2001; Shin et al., 2004; Hong et al., 2009; Lim et al. 2010; Kim et al., 2011; Kim et al., 2013; Kang, 2018; Ikoma et al., 2022
Isodon leucophyllus (Dunn) Kudô		11α-acetoxyeffusanin D; 6-acetylepinodosinol; 16β-ethoxymethyleneshikokianin; 16α-ethoxymethyleneshikokianin	Chen et al., 1999
Isodon melissoides (Benth.) H.W. Li	Aerial parts	Melissoidesin, α-thujene, α-pinene, camphene, sabinene, 1-Octen-3-ol, myrcene, 3-Octanol, δ-2-carene, α-phellandrene, α-terpinene, p-cymene, limonene, β-phellandrene, 1,8-Cineole, (Z)-β-ocimene, (E)-β-ocimene, γ-terpinene, acetophenone, cis-sabinene hydrate, terpinolene, linalool, trans-sabinene hydrate, camphor, menthone, borneol, menthol, terpinen-4-ol, p-cymen-8-ol, α-terpineol, thymol methyl ether, carvacrol methyl ether, bornyl acetate, thymol, carvacrol, thymol acetate, eugenol, carvacrol acetate, (E)-caryophyllene, α-trans-bergamotene, α-humulene, germacrene D, α-zingiberene, β-bisabolene, δ-cadinene, caryophyllene oxide, humulene epoxide II.	Yu et al. 2007; Kumar et al. 2021

Specie	Plant part	Phytochemistry	Reference
Isodon rugosiformis (Hand.-Mazz.) H. Hara	Aerial parts	Isorugosiformin A; isorugosiformin B; isorugosiformin C; isorugosiformin D; isorugosiformin E; isorugosiformin F	Zhang et al., 2020b
Isodon scoparius C.Y. Wu & H.W. Li) H. Hara	Aerial parts	Scopariusol L; scopariusol M; scopariusol N; scopariusol O; scopariusol P; scopariusols Q; scopariusols R: scopariusol S; scopariusol T	Jiang et al. 2018
Isodon serra (Maxim.) Kudô	Aerial parts	Oridonin, 15-acetylmegathyrin B, serrin E, 14b-hydroxyrabdocoestin A, serrin F, serrin G, 11-epi-rabdocoestin A, serrin H, serrin I, 15-acetylenanderianin N, rabdocoestin A, rabdocoestin B, enanderianin N, 1a,11b-dihydroxy-1a,11b-acetonide-7a,20-epoxy-ent-kaur-16-en-15-one, megathyrin A, enanderianin L, megathyrin B, enmein, nodosin, lasiodonin, epinodosin. isoserrin A, isoserrin B, isoserrin C, isoserrin D, isoserrin E, isoserrin F, isoserrin G, isoserrin H, isoserrin I, isoserrin J.	Zhang et al. 2005; Li et al. 2010; Zhou et al. 2013; Wan et al. 2016; Xing et al. 2020;
Isodon sculponeatus (Vaniot) Kudô	Aerial parts	sculponeatin I, sculponin A, sculponeatin A, sculponin T, sculponeatin J, sculponeatin K, sculponeatin C, sculponeatin Q, 6,7-seco-ent-kaurane diterpenoid; sculponin U–Z; wikstroemioidin A, 1α,6β,7β,15β-tetrahydroxy-7α,20-epoxy-ent-kaur-16-ene, bisjaponin A, lushanrubescensin J, ent-kaurane-7α,16β,17-triol, sculponeatin L, sculponeatin N, ent-abienervonin C, hebeiabinin B, maoyecrystal G, maoyecrystal H.	Jiang et al. 2014a; Jiang et al. 2014b.
Isodon ternifolius (D.Don) Kudô	Root	ternifoliuslignan A; ternifoliuslignan B; ternifoliuslignan C; ternifoliuslignan D; ternifoliuslignan E; ternifoliusoside F; ternifoliusoside G; ternifoliusoside H; 3-carboxi-6,7-dihydroxy-1-(3′,4′-hidroxi phenyl)-naftaleno, (+)-syringaresinol; 1-acetoxyl-2e,6e-dipiperonil-3,7-dioxabicyclo -[3,3,0]-octane; (7S,8S)-3-methoxy-3′,7-epoxi-8,4′-oxineolignan-4,9,9′ -triol, 3-(3,4-dihydroxyphenyl); acrylic-1-(3,4-dihydroxyphenyl)-2-methoxycarbonyl ethyl ester acid; oxyneolignan A; evofolin-B; 1,2-bis (4-hydroxy-3-methoxyphenyl)-1,3-propanediol	Zhang et al., 2018
Isodon rubescens (Hemsl.) H. Hara	Aerial parts	effusanin A; lasiodonin; oridonin; epinodosin; nodosin; ponicidin; rabdoternin A; enmenol; lasiokaurin; lasiokaurinol isojiangrubesin A; isojiangrubesin B; isojiangrubesin C; isojiangrubesin D; isojiangrubesin E; isojiangrubesin F; isojiangrubesin G; 20(R*)-6β,7β,15β-trihydroxy-20-metoxi-7α,20-epoxy-ent-kaur-16-en-1α,11β-acetonide; nervosanin A;	Du et al., 2013 Zhang et al., 2017 He et al., 2018 Jia et al., 2019

Specie	Plant part	Phytochemistry	Reference
		Oridonin; rubescensin C; enmenol; longikaurin A; hebeirubescensin K; 15-acetylmegatirin B; lasiokaurinal; rostorin A; hebeirubescensin B; xerophinoid B; rabdoternin A; rabdoternin F; rabdoternin E; isodonhenrin D; asiodonin; wikstroemioidin B: 7,14-O-(1-methylethylidene)oridonin.	
Isodon wikstroemioides (Hand.-Mazz.) H. Hara	Aerial parts	isowikstroemins A–M, macrocalyxin B, pseudoirroratin A.	Wu et al. 2014; Wu et al. 2015.
Lallemantia royleana (Benth.) Benth.		Alkaloids, anthraquinones, flavonoids, glycosides, tannins, volatile oils, mixed fatty acids, terpenoids.	Bhardwaj et al., 2020; Bhardwaj Bhatia 2020
Lavandula angustifolia Mill.	Leaves; flowers	Rosmarinic acid; luteolin; apigenin; luteolin 7-O-β-D-glucoside; apigenin 7-O-β-D-glucoside; luteolin 7-O-β-D-glucuronide, limonene; eucalyptol; trans-β-ocimene; β-linalool; camphor; lavandulol; borneol; 4-terpineol; α-terpineol; lavandulol acetate; β-farnesen, pectines: chPS-L1 y chPS-L2, linalyl acetate; caryophyllene; (E)-3,7-dimethylocta-1,3,6-trieno; gallic acid; ferulic acid; quercetin; myricetin.	Hajhashemi et al., 2003; Zhao et al., 2015; Giovannini et al., 2016 Georgiev et al., 2017; Cardia et al., 2018; Souri et al., 2019; Chen et al., 2020; Donatello et al., 2020 Slighoua et al., 2022; Pandur et al., 2021; Xie et al., 2022
Lavandula coronopifolia Poir.	Aerial parts	α -Pinene, camphene, β-pinene, octan-3-ol, myrcene, yomogi alcohol , p-cymene, limonene, cineole, cis-ocimene, trans-ocimene, cis-linalool oxide, trans-linalool oxide, camphor, borneol, terpinen-4-ol, α-terpineol, linalyl formate, linalyl acetate, geranial, lavandulyl acetate, neryl acetate, caryophyllene.	Abeer et al. 2020; Nassef et al. 2022
Lavandula dentata L.	Aerial parts	α-pinene; camphene; verbenene; sabinene; p-cymene; 1,8-cineole; linalool oxide; α-campholene aldehyde; camphor; verbenol; pinocarvone; borneol; terpinen-4-ol; myrtenol; verbenone; α-selinene; α-eudesmol; Vanillic acid; chlorogenic acid; caffeic acid; coumaric acid hexoside; hydroxybenzoic acid; coumaric acid pentoside hexoside; ferulic acid hexoside; apigenin d-C-hexoside; hypolaetin di-glucuronide; luteolin glucuronide hexoside; yunnaneic acid E ; Yunnaneic acid D; Luteolin 7,4'-di-glucuronide; isoscutellarein 8-O-glucuronide; Sagerinic acid; Salvianolic acid C, Ursolic acid	Algieri et al., 2016; Contreras et al., 2018; Abdelhakim et al., 2023
Lavandula latifolia Medik.	Aerial parts	α-pinene, camphene, β-pinene, sabinene, δ-3-carene, myrcene, α-terpinene, limonene, 1,8-cineole, β-phellandrene, (Z)-β-ocimene, p-cymene, terpinolene, γ-campholene aldehyde, trans-linalool oxide, α-copaene, camphor, β-bourbonene, β-cubebene, linalyl	Shimizu et al., 1990; Carrasco et al., 2015; Vairinhos and Miguel,

Specie	Plant part	Phytochemistry	Reference
		acetate, trans-α-bergamotene, α-bergamotene, terpinen-4-ol, β-caryophyllene, lavandulyl acetate, (Z)-β-farnesene, sesquisabinene, isoborneol, α-humulene, α-terpineol, γ-terpineol, borneol, germacrene D, neryl acetate, β-bisabolene, δ-cadinene, (E)-α-bisabolene, geranyl acetate, nerol, calamenene, geraniol, (Z)-3-hexenyl nonanoate, caryophyllene oxide, carvacrol; fenchone; eremophylene; *trans*-α-necrodol; *trans*-α-necroyl acetate; tetramethyl-5-methylene-cyclopenten-2-enone; *cis*-necrodyl acetate; β-selinene; lavandulol; selina-3,7(11)-diene; Δ3-carene; myrtenol; verbenone, eucalyptol, coumarin , 7-methoxycoumarin, trans-phytol.	2020; Lucca et al., 2022; Karaka et al., 2023;
Lavandula multifida L.	Aerial parts	Maslinic acid; 15S,16-dihydroxy-7-oxopimar8(9)-ene; 15,16,17-trihydroxy-7-oxopimar-8(9)- ene, carvacrol-3-glucoside; 3*β*,19*α*, 23-trihydroxy-urs-12-en-28-oic acid; 15S,16-dihydroxyisopimar-8(9)-ene; 15,16-dihydroxy-7,11- dioxopimar-8(9)-ene; 15,16,17-trihydroxypimar-8(9)-ene; carvacrol; oleanolic acid; ursolic acid	Sosa et al. 2005
Lavandula pedunculata (Mill.) Cav.	Aerial parts	α-pinene; α-fenchene; camphene; sabinene α-fenchol; α-campholenal; β-pinene; myrcene; δ-3-carene; p-cymene; limonene; cis-β-ocimene/ trans- β-ocimene; cis-α-necrodol; 1,8-cineole; cis-linalool oxide; fenchone; linalool; thujone; camphor; menthone; borneol; p-Mentha-1,5-dien-8-ol; lavandulol; terpinen-4-ol; α-terpineol; myrtenal; myrtenol, verbenone; fenchyl acetate; eucarvone; pulegone; linalyl acetate; bornyl acetate; lavandulyl acetate; thymol; carvacrol; myrtenyl acetate; neryl acetate; lyratyl acetate; α gurjunene; caryophyllene; γ-selinene; δ-cadinene; selina-3,7(11)-diene; ledol; viridiflorol; *epi*-cubebol; τ-muurolol; β-eudesmol; α-cadinol; gentisic acid; caftaric acid, protocatechuic acid; esculetin; pinocembrin	Azevedo et al., 2015; Lopes et al., 2018; Vairinhos and Miguel 2020; Zuzarte et al. 2022; Domingues et al., 2023
Lavandula pubescens Decne.	Aerial parts	Acoradien, alloaromadendrene, α-bergamotene, α-calacorene, α-copaene, α-cubebene, α-cumene α-gurjunene, α-humulene, α-muurolene, α-phellandrene, α-terpinene, α-terpinolene, α-ylangene, β-bisabolene, β-copaene, β-elemene, β-eudesmene, β-guaiene, β-ylangene, carvacrol, caryophyllene, caryophyllene oxide, cyclosativene, E-β-ocimene, ε-caryophyllene, ledene, limonene, jolkinol D, longifolene, neo-allo-ocimene, p-cymenene, p-xylene, δ-valerolactone, thymol, calamenene.	Ali-Shtayeh et al. 2020; Ahmad et al. 2022; Acero et al. 2023.

Specie	Plant part	Phytochemistry	Reference
Lavandula stoechas L.	Aerial parts; flowers	Fenchone; camphor, caffeic acid; rosmarinic acid; 4-hydroxybenzoic acid; apigenin; gentisic acid; Apigetrin; fumaric acid; gallic acid.	Amira et al., 2012 Zuzarte et al. 2013 Zoubi et al., 2016 Kulabas et al., 2018
Lavandula viridis L'Her.	Aerial parts	α-pinene , 1,8-cineole, linalool, camphor , selina-3,7(11)-diene, camphene, camphor.	Skala E et al., 2020; Zuzarte et al. 2022
Lavandula x intermedia	Aerial parts	1,8-cineol, linalool, camphor , β-caryophyllene , borneol, α-pinene, β-pinene, sabinene, myrcene, limonene, p-cymene, 1-octen-3-ol, bornyl acetate, terpinen-4-ol, myrtenal, neryl acetate, carvone, cuminal, p-cymen-8-ol, caryophyllene oxide, α-bisabolol.	Carbone et al. 2018; Karakas Matpan 2022
Lepechinia caulescens (Ortega) Epling	Leaves	Ursolic acid; oleanolic acid; rosmarinic acid	Vergara-Martínez et al., 2021
Lepechinia meyenii (Walp.) Epling	Leaves	Flavonoids	Arenas-Chávez et al. 2018.
Melissa officinalis L.	Leaves	Rosmarinic acid, nerol; citral; isopulegol; caryophyllene; caryophyllene oxide, citronelle, caffeic acid, citronellal; m-cumaric acid, geranial; hesperidin, hesperetin; naringenin; neral; luteolin; eriodictiol-7-O-glucoside	Guginski et al., 2009 Müzell et al., 2013 Bohunihi et al., 2013 Zam et al., 2002 Draginic et al., 2022
Mentha arvensis L.	Whole plant; aerial parts	α-pinene; β-pinene; mircene; limonene; 3-octanol; menthone; isomenthone; methyl acetate; isopulegol; neomenthol; menthol; germacrene D; piperitone, linarin	Feng et al., 2015; Thawkar et al., 2016; Demirci et al., 2021 Kim et al., 2021b
Mentha cervina L.	Aerial parts	Pulegone; terpinen-4-ol; carvacrol	Miguel et al., 2021
Mentha cordifolia Opiz ex Fresen.	Leaves	β-sitosterol; β-sitosterol-β-D-glucoside ; menthol	Bayat et al., 2019; Villaseñor et al., 2002

Specie	Plant part	Phytochemistry	Reference
Mentha longifolia (L.) Huds.	Whole plant	Piperitone oxide; pulegone; epoxy- trans-piperitone; menthone; 1,8-cineole; (Z)-β-ocimene; menthol; rosmarinic acid; rutin; caffeic acid; 2,5-dihydroxybenzoic acid; chlorogenic acid; vanillic acid; ferulic acid; longifolin A, eucalyptol	Karimian et al., 2013; Ibrahim et al., 2016; Murad et al., 2016; Dadkhah et al. 2018; Moshrefi-Araghi et al., 2021; Wang et al., 2022
Menta piperita L.	Leaves; aerial parts	Menthol; menthone; menthol acetate	Abdolmaleki et al. 2013; Sun et al., 2014; Li et al., 2017; Yi et al., 2022
Mentha pulegium L.	Aerial parts: leaves	Pulegone; menthol; isomenthone menthone; piperitone. hydroxycinnamic acids; hydroxymethoxyflavones; catechins; hydroxybenzoic acids	Luis Domingues, 2021 Moussaid et al., 2011 Brahmi et al., 2018 Messaoudi et al., 2022 Rocha et al., 2019
Mentha spicata L.	Whole plant; leaves	palmitic acid: oleic acid; linoleic acid; stearic acid, stearidonic acid; carvone; carvacrol; trans-carveol; piperitone oxide; limonene; 1,8-cineole; camphene; p-cymene; dihydrocarvone; pulegone; β-caryophyllene; germacrene D; menthone; α-pinene; linalool; ergosterol; stigmasterol; β-sitosterol; α-tocopherol; apigenin; naringenin; epicatechin; catechin; rutin; myricetin; luteolin; ferulic acid; coumaric acid; sinapic acid	el Menyiy et al., 2022
Mentha suaveolens Ehrh.	Aerial parts	α-pinene, sabinene, β-pinene, limonene, linalool, borneol, cis-dihydrocarvone, trans-carveol, carvone, carvone oxide, neo-dihydrocarveol acetate, trans-carvyl acetate, α-copaene, β-bourbonene, cis-jasmone, trans-β-caryophyllene, β-cedrene, β-copaene, α-humulene, γ-muurolene, germacrene D, bicyclogermacrene, γ-cadinene, di-epi-α-cedrene epoxide, 1,5-epoxy salvial-4(14)-ene, germacrene D-4-ol, spathulenol, globulol, 1, 10-di-epi-cubenol, epi-α-cadinol, epi-α-muurolol, bisabolene oxide, mint sulfide, α-bisabolene oxide, phytol, manoyl oxide, abietatriene, rosmarinic acid, myrcene, viridoflorol.	Moreno et al., 2002; El-Kashoury et al. 2012: Mogosan et al., 2017; Lee et al., 2021
Mentha x villosa	Leaves	Piperitone oxide	Souza PJC et al. 2009.
Micromeria biflora (Buch. Ham. ex D.Don) Benth.	Aerial part	Salicilalazina	Alhojani et al. 2022

Specie	Plant part	Phytochemistry	Reference
Minthostachys mollis Griseb.	Leaves	α-pineno; β-pineno; o-cimeno; eucaliptol; linalool; acetato de octen-1-ol; isomentona; mentona; trans-mentona; γ-elemene	Sanchéz-Tito et al. 2021
Minthostachys verticillata (Griseb.) Epling	Aerial parts; Leaves and steams	pulegone, menthone	Gonzalez-Pereira et al., 2005; Cariddi et al., 2006; Montironi et al., 2019; Rodriguez-Basso et al., 2021; Sharun et al., 2021
Monarda bradburiana L.C. Beck/ *Monarda punctata* L.	Aerial parts; Flowers	Thymol	Salehi et al., 2018
Monarda didyma L.	Aerial parts	α-phellandrene, α-pinene, α-terpinene, α-terpineol, α-terpinolene, α-thujene, β-caryophyllene, β-myrcene, β-pinene, bornyl acetate, camphene, carvacrol, carvacrol methyl ether, cis-sabinene-hydrate, D-limonene, eucalyptol, γ-cadinene, germacrene D, limonene, linalool, linalyl acetate, myrcene, p-cymene, δ-2-carene, Thymol	Cotê et al. 2021; Fraternale et al. 2022.
Monarda fistulosa L.		monardic acid A, monardic acid B, lithospermic acid B, neochlorogenic acid; chlorogenic acid, caffeic acid; luteolin-7-O-glucoside, apigenin-7-O-glucoside, rosmarinic acid, acacetin-7-O-glucoside, luteolin, apigenin, *α*-pinene, 1-octen-3-ol, *β*-phellandrene, 2-carene, p-cymene, *γ*-terpinene,thymoquinone, thymol, carvacrol, caryophyllene, *β*-copaene, 2-tert-butylhydroquinone, p-tert-butyl catechol, 1,4-eicosadiene, heptadecane, squalene, *α*-tocopherol, *β*-sitosterol.	Murata et al., 2013: Shanaida et al., 2021a; Shanaida et al., 2021b
Mosla chinensis Maxim.	Stem and leaf	α-caryophyllene, β-sitosterol, carvacrol, n-hexadecanoic acid, linoleic acid, linolenic acid, phytol, stearic acid, stigmasterol, terpinen-4-ol, thymol, apigenin-8-C-xylosyl-G-C-glucoside, isoorientin, isoorientin-2-O-rhamnoside, isoorientin-4-O-xyioside, isovitexin-2-O-rhamnoside, kaempferol 3-(2G-xylosylrutinoside), kaempferol 3-O-glucoside, kaempferol-3-O-(6 malonyl) glucoside, luteolin, luteolin-6,8-di-C-hexoside, orientin, orientin-2-O-rhamnoside, peonidin-3-O-glucoside, quercetin-acetyl- glycoside, quercetin-3-O-glucoside, quercetin-3-O-rutinoside, swertisin, vitexin-2-O-rhamnoside, (+)-catechin-3-O-b-D-gluco(2,6-bis-cinnamoyl)-pyranoside, 5,7-dihydroxy-4′-methoxy-6-methyl homoisoflavanone, gluconic acid, malic acid, citric acid, quinic acid, succinic acid, azelaic acid, caffeic acid, dicaffeoylferulic acid, dihydroxybenzoic acid hexoside, ellagic acid glucuronide, ferulic acid hexoside, p-hydroxybenzoic acid, protocatechuic acid,	Wang et al. 2021; Zhong et al. 2022.

Specie	Plant part	Phytochemistry	Reference
		rosmarinic acid, rosmarinic acid-O-hexoside, vanillic acid β-glucoside, 4-caffeoylquinic acid, 5-caffeoylquinic acid, acetyl-emodin, casticin, danshensu, diglycol laurate, everlastoside, forrestin A, gingerglycolipid, uridine, 28-β-D-glucopyranosyl-2α,3β,19α-trihydroxyolean-12-ene-24,28-dioic acid.	
Mosla scabra (Thunb.) C.Y.Wu & H.W.Li	Aerial parts	5-hydroxy-6,7-dimethoxyflavone; 5-hydroxy-7,8-dimethoxyflavone	Chen et al., 2013
Nepeta bracteata Benth.	Aerial parts	Nepetabrates E-J , 6-methyl-1,4-oxazocane-5,8-dione**,** angustanoic acid F-G, jiadifenoic acid, nepetabrates A-D, 7α-hydroxycallitrisic acid, 1-phenanthrenecarboxylic acid, nepetabrate K**,** vanguerolactone	Zhang et al. 2021; Yang et al. 2022.
Nepeta cataria Benth.	Aerial parts	Luteolin-7-0-glucuronide, luteolin-7-O-glucurono-(1-6)glucoside, apigenin-7-O-glucuronide, luteolin, apigenin, apigenin-7-O-glucoside, luteolin-7-O-glucoside, caffeic acid, rosmarinic acid, p-coumaric acid, lamiuside A, verbascoside, nepetalactone, actinidine, iridomyrmecin, *β*-caryophyllene, nerol, caryophyllene oxide, elemol, geraniol, geranial, 1,8-cineol, citronellol, citronellyl acetate, *β*-sitosterol, *α*-amyrin, ursolic acid, piperitone, humulene oxide, thymol, sabinene, *α*-humulene, *α*-pinene, *β*-farnesene, myrcene, photocitral B, citronellal, Z-isocitral, menthol, lavandulol, rosefuran epoxide, E-isocitral, terpineol, nerol, neral.	Modnicki et al. 2007; Prescott et al., 2011; Pargaien et al., 2020; Acimovic et al., 2022
Nepeta deflersiana Schweinf. ex Hedge	Aerial parts	Borneol, bulnesol, baffeic acid, bamphor, carvone, caryophyllene oxide, cemberene A, cis-carveol, decanoic acid, (E)-β-farnesene, (E)-β-caryophyllene, (E)-β-damascenone, (E)-2-hexenal, eugenol, epi-*α*-muuurolol, eudesm-11-en-4 *α*-ol, exo-fenchol, fenchone, geraniol, humulene epoxide II, irridoid glucoside 8-epi-7-deoxyloganic acid, limonene, linalool, lupeol, manool, methyleugenol, methyl rosmarinate, myrtenol, n-tetradecanoic acid, phytol, rosmarinic acid, terpinen-4-ol, thymol, trans-carveol, ursolic acid, *α*-alaskene, *α*-calacorene, *α*-guiaol, β-bisabolol, β-bourbonene, β-eudesmol, β–pinene, β-selinene, β-sitosterol, γ-eudesmol, τ-cadinol, 1*α*-hydroxy-7*α*,14*α*,18-triacetoxy-isopimara-8,15-diene, 2-methoxy-p-cresol, 2,3-dihydroxy ursolic acid, 6,10,14-trimethylpentadecane-2-one, 7-epi-*α*-selinene, 8-epi-7-deoxyloganic acid	Al Taweel et al. 2017; Orfali et al. 2018; Ahmad et al. 2022.
Nepeta menthoides (Boiss.) Buhse	Aerial parts	Dihydromyrcene, geranyl acetate, isothymusin, neryl acetate, rosmarinic acid, *α*-linalool, *α*-pinene, *α*-terpineol, β-pinene, γ-terpinene, 1, 8-cineole, 4*α*, 7*α*, 7*α*-nepetalactone, cirsimaritin, genkwanin	Memariani et al. 2018; Süntar et al. 2018:

Specie	Plant part	Phytochemistry	Reference
Nepeta meyeri Benth.	Aerial parts	Nepetalactone, epinepetalactone.	Cigremis et al. 2010; Süntar et al. 2018.
Nepeta pogonosperma Jamzad & Assadi	Aerial parts	1,8- cineole, 4*α*, 7*α*-nepetalactone	Ali et al., 2012; Khalighi-Sigaroodi et al., 2013
Nepeta tenuifolia Benth.	Aerial parts	Caryophyllene oxide, carvone, carveol, 1, 2-dihydroxy-8 (9) -ene-p-menthane, 2-hydroxy-2-isopropenyl-5- methylcyclohexanone, isopulegone, , limonene, menthone, menthofurane, β-myrcene, piperitenone, pulegone, pulegone oxide, schizonepetin, schizonepetoside A, schizonepetoside B, schizonepetoside C, schizonepetoside D, schizonepetoside E, schizonodiol, schizonol, γ-terpinene, verbenone, cedrenol, germacrene D, humulene, patchoulol, petafolia A, petafolia B, (+)-spatulenol, trans-phytol, maslinic acid, oleanolic acid, 2*α*,3*α*,24*α*-trihydroxyolean-12en28oic acid, ursolic acid, acaciin, apigenin, apigetrin, chrysoeriol-7-O-β-D-rutinoside, diosmetin, diosmetin-7-O-β-D-glucopyranoside, eupatilin, genkwanin, isorhoifolin, ladanein, luteolin, luteolin-3′,4′-dimethylether 7-O-β-D-glucuronic acid methyl ester, luteolin-3′,4′-dimethylether-7-O-β-D-rutinoside, luteolin-7-O-β-D-glucuronopyranoside, luteolin-7-O-β-D-rutinoside, luteoloside, pectolinarigenin, thermopsoside, tilianin, hesperidin, hesperetin-7-O-β-D-glucopyranoside, quercitrin, caffeic acid, trans-cinnamic acid, 2,3-di-O-cinnamoyltartaric acid, p-coumaric acid, eicosanoic acid, 3-O-feruloylquinic acid methyl ester, 4-O-feruloylquinic acid methyl ester, 3-hydroxybenzoic aicd, 12-O-β-D-glucopyranosyl oxyjasmonic acid methyl ester, Rosmarinic acid, salicylic acid, schizotenuin A, schizotenuin C1, schizotenuin C2, schizotenuin D, vanillactic acid, p-cymene-3,8-diol, daucosterol, 8,9-dehydrothymol, 3,9-dihydroxymegastigman-5-ene, 3,4-dihydroxyphenethyl alcohol-4-O-β-D-glucopyranoside, 2,6-dimethoxybenzoquinone, 5*α*,8*α*-epidioxyergosta-6,22-diol-3β-ol, isosyringin, methylconiferin, m-methylcyclohexanone, 3-methoxyl-4-hydroxycinnamic alcohol 9-O-β-D-glucopyranoside, prunasin, schitenoside A, schitenoside B, schitenoside C, stigmast-4-en-3-one, β-sitosterol	Shan et al., 2021
Ocimum basilicum L.	Aerial parts	Methyl chavicol; cineole; eugenol; methyl eugenol; elemicin; myristicin; rosmarinic acid; linalool; apigenin; ursolic acid; methyl cinnamate.	Aminian et al., 2022
Ocimum campechianum Mill.	Leaves; roots and rhizomes	Eugenol, (E)-β-caryophyllene, bicyclogermacrene, eugenol, 1,8-cineole, elemicin.	Lino et al., 2005; De Pinho et al., 2012; Pandey et al., 2014

Specie	Plant part	Phytochemistry	Reference
Ocimum kilimandscharicum Baker ex Gürke	Aerial parts	Santene, iso-citronelle, α-pinene, camphene, p-3-menthene, α-phellandrene, 2-acetyl-thiazole, limonene, 1,8-cineole, cis-arbuscolone, artemisia ketone, dihydro myrcenol, m-cymenene, terpinolene, linalool, 3-iso-thujanol, cis-verbenol, camphor, borneol, α-terpineol, myrtenol, verbenone, trans-piperitol, trans-carveol, carvone, α-ylangene, bakerol, D-germacrene, neryl isobutanone, γ-cadinene, vanillin acetate, flavesone, silphiperfol-5-en-3-ol, D-davanone, tetradecanal, eremoligenol, 3-iso-thujopsanone, valerianol, cadelene, sesquicineol-2-one, methyl linoleate, methyl octadecanoate.	de Lima et al., 2014; Nahak Kanta, 2014; dos Santos et al., 2021
Ocimum labiatum (N.E. Br.) A.J. Paton	Leaves	2α-hydroxylabda-8(17),12E,14-trien-18-oic acid, 4-epicommunic acid, labda-8(17),12E,14-triene-2R,18-diol.	Kapewangolo et al. 2015; Lambrechts Lall 2019.
Ocimum sanctum L.	Aerial parts	Eugenol; euginal; ursolic acid; carvacrol; linalool; limatrol; caryophyllene; methyl chavicol; rosmarinic acid; apigenin; cirsimaritin; isotimusin; isotimonin; orientin; vicenin.	Pattanayak et al., 2010; Singh et al., 2018
Ocimum selloi Benth.	Leaves	3-octenol, trans-ocimene, methyl chavicol, cis-anethol, δ-elemene, α-copaene, β-bourbonene, β-cubenene, β-elemene, methyl eugenol, trans-caryophyllene, β-gurjunene, α-humulene, allo-aromadendrene, germacrene D, β-selinene, α-(E, E)-farnesene, δ-cadinene, 3-octanone, bicyclogermacrene	Moraes et al., 2002; Piva et al., 2021
Origanum spp.	Aerial parts	4-caffeoylquinic acid, 3,5-dicaffeoylquinic acid, 4, 5-dicaffeoylquinic acid, 4-feruloylquinic acid, 1,3,4-tricaffeoylquinic acid, apigenin, vicenin−2, apigenin−7-O-glucoside, apigenin−7-O-pentosylhexoside, apigenin-O-hexosyl-(1 → 2)-hexoside, diosmetin-O-glucuronide, eriodictyol-O-acetyldipentoside, fustin-O-(hydroxymethylphenyl)-O-hexoside, hispidulin-O-pentosylhexoside, hispidulin-O-rhamnoside, homoorientin, luteolin−7-O-glucoside, luteolin−7-O-pentosylhexoside, naringenin, phlorizin, isoquercitrine, 3-hydroxyphlorizin, caffeic acid, gallic acid ethyl ester, gallic acid-O-hexoside, gentisic acid, gentisic acid derivative, gentisic acid-(dihydroxy-phenyl-methyl)-O-hexoside, gentisic acid- (hydroxy-phenyl-methyl)-O-dihexoside, gentisic acid-(hydroxy-phenyl-methyl)-O-hexoside, o-coumaric acid, p-coumaric acid, protocatechuic acid, protocatechuic acid O-hexoside, vannilic acid, lithospermic acid, rosmarinic acid, salvianolic acid H/I, salvianolic acid, α-thujene, α-pinene, β-myrcene, α-phellandrene, (+)-4-Carene, p-cymene, β-pinene, linalool, carvacrol, thymol, caryophyllene, camphene, α-terpinene, camphor, borneol, terpinen-4-ol, α-terpineol, carvacrol.	Kogiannou et al. 2013; Zengin et al. 2019; El kharraf et al., 2020; Hamamouchi et al., 2021; Sharifi-Rad et al. 2021; Al-Mijalli et. al., 2022

Specie	Plant part	Phytochemistry	Reference
Orthosiphon aristatus (Blume) Miq.	Aerial parts; leaves	Ursolic acid; oleanolic acid	Hsu et al., 2010; Vijayan et al., 2017
Orthosiphon stamineus Benth.	Aerial parts	Orthosiphone A; orthosiphone B; orthosiphon A; orthosiphon B; betulinic acid; β-elemene; caffeic acid; sinensetin; eupatorin; β-amyrin; camphor; terpineol; lirol; valencene.	Singh et al., 2015
Perilla frutescens (L.) Britton	Leaves; seed	Ursolic acid; corosolic acid; 3-epicorosolic acid; pomolic acid; tormentic acid; hiptadienic acid; oleanolic acid; augustic acid; 3-epimaslinic acid; linoleic acid; palmitic acid; stearic acid; linoleic acid; linolenic acid; luteolin; magnosalin; perfrancin	Banno et al., 2004; Huang et al., 2014; Ueda et al., 2002; Zuo et al., 2002; Liu et al., 2022b; Kangwan et al., 2021; Zhao et al., 2022.
Platostoma africanum P. Beauv.	Aerial parts	Ursolic acid; oleanolic acid; epimaslinic acid; corosolic acid; tomentic acid; β-sitosterol; stigmasterol.	Aladedunye et al., 2008
Plectranthus caninus Vatke	Aerial parts	α-thujone; thujo-2,4(10)-diene; α-terpinene; p-cymene; fenchone.	Tadesse et al., 2011
Plectranthus ecklonii Benth.	Aerial parts	Parvifloron D; β-sitosterol; stigmasterol	Andrade et al., 2018
Plectranthus ornatus Codd.	Aerial parts	(11R*,13E)-11-acetoxyhalima-5,13-dien-15-oic acid; 1α,6β-diacetoxy-8α,13R*-epoxy-14-labden-11-one; 1,6-di-O-acetylforskolin and, 1,6-di-O-acetyl-9-deoxyforskolin	Sitarek et al., 2022.
Plectranthus zeylanicus Benth.	Whole plant	Eudesm-7(11)-en-4-ol, hexadecanoic acid, phytol, 9,12,15-octadecatretinoic acid, callitrisic acid, cholest-5-en-3β-ol, ergosta-5,22-dien-3β-ol, campesterol, stigmasterol, β-sitosterol, β-amyrin, α-amyrin, stigmast-4-en-3-one, cinncassiol, coleone, stigmasterol-5,22,25-trien-3-β-ol, 7α-acetoxy-6β-hydroxyroyleanone.	Napagoda et al., 2014. Napagoda et al., 2022.
Prunella vulgaris L.	Aerial parts; leaves and stem; whole plant; fruit spikes	2α, 3α, 23-trihidroxiursa-12,20(30)-dien-28-oic acid, β-amyrin, eusapic acid; hexadecanoic acid; ethyl palmitate; phytol ; ethyl linoleate; linoleic acid; nerol; linalyl formate; betulinic acid; ursolic acid; 2α, 3α-hydroxy-urs-12-ene-28-oic acid; 2α, 3α-dihidroxiursolic acid; prunellanate A, prunellanate B, prunelladiterpenel A, gallic acid; caffeic acid; rutin; rosmarinic acid; quercetin.	Park et al., 2013; Li et al., 2020 Choia et al., 2016; Hwang et al., 2013; Yan, 2016; Tang et al., 2022 Ryu et al., 2000; Zheng et al., 2022 Zhang et al., 2018b

Specie	Plant part	Phytochemistry	Reference
Salvia aethiophis (Kunth) Lint & Epling	Root	Aethiopinone, rosmarinic acid, luteolin; apigenin	Hernández-Pérez et al., 1995; Benrezzouk et al., 2001; Nworu and Akah, 2015; Vulganová et al., 2019
Salvia africana-caerulea L.	Aerial parts	rosmarinic acid, yunnaneic acid, carnosic acid, carnosol, caffeic acid	Komatou et al., 2006; Kamatou et al., 2010; Bonito et al., 2011; Afonso et al., 2019a
Salvia albicaulis Benth.	Aerial parts	viridiflorol, 1,8-cineole, limonene.	Kamatou et al., 2007.
Salvia apiana Jeps.	Aerial parts	Quinic acid, danshensu, protocatechuic acid, caffeoylquinic acid, luteolin, hesperidin, quercetin, rutinoside, rosmarinic acid, sagerinic, salvianolic acid, cirsimaritin, rosmanol, cornosol, carnosic acid	Afonso et al., 2019b
Salvia barrelieri Benth.	Aerial parts	3β-acetoxy-olean-18-ene-2α-ol; pi-germanidiol; olean-18-ene-1β,2α,3β-triol; micromeric acid; ursolic acid; salvigenin; apigenin-7-O-β-d-glucopyranoside methyl ester; apigenin-7-O-β-d-glucopyranoside; apigenin-7-O-β-d-glucopyranoside; apigenin, cinaroside.	Lehbili et al., 2018
Salvia ceratophylla L.	Aerial parts	Linalool, germacrene D, *β*-caryophyllene, bicyclogermacrene, sclareol, spathulenol, 1,8-cineole, *α*-terpineol, *α*-copaene, kaempferol, pseudobaptigenin.	Shehadeh et al., 2014; Bonesi et al., 2017; Abu-Darwish et al., 2020
Salvia chamelaeagnea Bergius	Aerial parts	*α*-eudesmol, *α*-gurjunene, *α*-humulene, *α*-pinene, *α*-terpineol, *α*-thujene, allo-aromadendrene, aromadendrene, β-caryophyllene, β-eudesmol, β-gurjunene, β-pinene, betulafolientriol oxide, caffeic acid, camphene, carnosic acid, carnosol, carvone, caryophyllene alcohol, caryophyllene oxide, cis-sabinene hydrate, (E)-β-ocimene, (E)-nerolidol, Epi-cubenol, eudesmadiene, *γ*-cadinene, globulol, ledol, limonene, linalool, myrcene, oleanolic acid, rosmarinic acid, ursolic acid, viridiflorene, viridiflorol, (Z)-β-ocimene, 7-O-methyl-epirosmanol.	Kamatou et al. 2006; Kamatou et al. 2010
Salvia compressa Vent.	Root	Citrostadienol; β-sitosterol; linolenic acid, linoleic acid; palmitic acid; geraniol.	Noorbakhsh et al., 2022
Salvia desoleana Atzei & P. Picci	Aerial parts; leaves	*β*-pinene, cineole, *α*-terpineol, linalool, linalyl *α*-terpinyl acetate, linalyl acetate.	Peana Satta, 1993; Peana et al., 1999; Ceschel et al., 2000; Peana moretti, 2002.
Salvia digitaloides Diels	Root	Salviatalin A; salvitrijudin A	Wu et al., 2010

Specie	Plant part	Phytochemistry	Reference
Salvia dolomitica Codd.	Aerial parts	geraniol; Linalyl acetate; linalool; α-terpineol; cis-β-ocimene; sabinene; nerol oxide	Kamatou et al., 2007
Salvia fruticosa Mill.	Root; aerial parts	Luteolin; rutin	Boukhary et al., 2016
Salvia glutinosa L.	Aerial parts	Caffeic acid hexoside, apigenin-C-dihexoside, quercetin-O-hexoside, sagerinic acid, isorhamnetin-O-hexoside, rosmarinic acid, baicalein, luteolin acetyl-glucoside, salvianolic acid J, salvianolic acid A.	Nicolescu et al., 2022
Salvia hierosolymitana Boiss.	Aerial parts	3β,6α,23-trihydroxyurs- 12,19(29)-dien-28-oic acid; 23-(trans-p-coumaroyloxy)- 3β,6α,30-trihydroxyurs-12-en-28-oic acid; 2α,3β-dihydroxyolean-28-oic acid; 24-nor-2a,3b-dihydroxyolean-4,12-ene, 2α,3β,23-trihydroxyurs-12-en-28-oic; 3β,23-dihydroxyurs-12-en-28-oic acid; maslinic acid; arjunolic acid	De Felice et al., 2006; Miranda et al., 2022
Salvia hydrangea DC. ex Benth.	Aerial parts	β-pinene, 1-8-cineole, β-caryophyllene, sclareol.	Sonboli et al. 2009; Asadollahi et al., 2019;
Salvia japonica Thunb.	Aerial parts	α-terpinyl acetate camphor; linalool; triacetin; eucalyptol; (+)-2-bornanone; L-α-pinene; triacetin; plastolin I ; D-limonene	Li et al., 2021.; Sun et al., 2022.
Salvia lachnostachys Benth.	Leaves	Fruticulin A	Piccinelli et al., 2014.
Salvia lanceolata Lam.	Leaves	Oleanolic acid, ursolic acid, betulafolientriol oxide, carnosol, rosmarinic acid, carnosic acid caffeic acid.	Kamatou et al., 2010.
Salvia lanigera Poir.	Leaves	Podocarpa-5,8,11,13-tetraen-7-one; 13-hydroxy-14-isopropyl; sclareol ; sugiol; ferruginol, aromadendrene, cis-α-bisabolene, 1,8-cineole eucalyptol ; camphor; α-terpineol; bornyl acetate; α-terpinenyl acetate; veridiflorol ; caryophyllene oxide	Alonazi, et al., 2021.
Salvia lavandulifolia Vahl		α-pinene, sabinene, limonene, 1,8-cineole, linalool, camphor, borneol, terpinen-4-ol, linalyl acetate, α-terpinyl acetate, sabinil acetate.	Porres-Martínez et al., 2013
Salvia leriifolia Benth.	Aerial parts; leaves; seed	rosmarinic acid; caffeic acid; salvianolic acid B; camphor; 1,8-cineole; camphene; α-pineno	Hosseinzadeh Yavary, 1999; Loizzo et al., 2009; Hosseinzadeh et al., 2003; Modarres et al., 2014

Specie	Plant part	Phytochemistry	Reference
Salvia miltiorrhiza Bunge	Root	Tanshinone I; tanshinone IIA; tanshinona IIB; cryptotanshinone; cryptotanshinone I; danshensu; rosmarinic acid; caffeic acid; lithospermic acid, salvianolic acid A-N; danshenxinkun A; przewaqionona A	Feng et al., 2021 Mahalaksmi et al., 2021 Yang et al., 2022
Salvia mirzayanii Rech. f. & Esfand.	Aerial parts	α-terpinyl, linalyl acetate, 1,8-cineole, linalool, γ-cadinene, spathulenol, α-cadinol, (Z)-nerolidol, 5-neo-cedranol, germacrene, salvigenin, eupatorin, catechin, cirsimaritin, chrysoeriol, luteolin, rutin, rosmarinic acid, teuclatriol.	Zarshenas et al., 2014; Ziaei et al., 2015; Amirghofran et al., 2011
Salvia muirii (L.) Bol.	Aerial parts	Rosmarinic acid, carnosic acid, salvigenin, betulafolientriol oxide, carnosol, caffeic acid, oleanolic and ursolic acid, 1,8-cineole, α-pinene limonene.	Kamatou et al., 2006; Kamatou et al., 2010.
Salvia multicaulis Vahl	Aerial parts	Gallic acid; rosmarinic acid; chlorogenic acid; vanillin; p-coumaric acid; quercetin.	Rowshan Najafian, 2020
Salvia nipponica Miq.	Root; leaves	Taxodione; (+)-valeranone; nubiol; rosmarinic acid; salvianolic acid B; ursolic acid; 3-epicorosolic acid; caffeic acid; p-coumaric acid; vanillic acid; nicotinic acid	Chan et al., 2011
Salvia officinalis L.	Leaves	1,8-cineole; camphor; α-thujone; β-thujone; borneol: viridiflor, tannic acid; oleanolic acid; ursolic acid; carnosol; carnosic acid; fumaric acid; chlorogenic acid; niacin; rosmarinic acid; luteolin-7-glucoside.	Miraj Kiani, 2016
Salvia palaestina Benth.		Apigenin; Apigenin 7-O-glucuronide; rosmarinic acid; methyl rosmarinate	Mehmet et al., 2021
Salvia petrophilla G. X. Hu, E. D. Liu & Yan Liu	Whole plant	Petrofin A; petrofin B; petrofin C; petrofin D; petrofin E	Zou et al., 2022
Salvia plebeia R. Br.	Leaves; aerial parts	1β-acetoxy-8β-hydroxy-2-oxoeudesman-3,7(11)-dien-8,12-olide; plebeiolide B; 8-methoxyplebeiolide B; plebeiolide A; eudebeiolide E; phaeusmane G; eudebeiolide F; plebeiolide C; eudebeiolide A; eudebeiolide B; eudebeiolide C; eudebeiolide G; eudebeiolide H, (1S,5S,8S,10R)-1-acetoxy-8-methoxy-2-oxoeudesman-3,7(11)-dien-8,12-olide; eudebeiolide I; eudebeiolide J; 6-hydroxyplebeiolide A; eudebeiolide K; 8-epi-eudebeiolida C, Salviplenoide A; salviplenoide B; salviplenoide C; salviplenoide D; salviplenoide E; salviplenoide F, luteoloside; nepitrin; homoplantagenin; luteolin; nepetin; hispidulin; eupatorin	Jeong et al., 2012; Akram et al., 2015; Jang et al., 2016; Jang et al., 2017; Zou et al., 2018
Salvia prionitis Hance	Aerial parts	Prionidipene A, prionidipene B, prionidipene C, prionidipene D, prionidipene E	Li et al., 2018.

Specie	Plant part	Phytochemistry	Reference
Salvia przewalskii Maxim.		Rosmarinic acid, salvianolic acid B, tanshinone I, dihydrotanshinone I	Wang et al., 2010; Yang et al., 2017
Salvia radula Benth.	Aerial parts	Rosmarinic acid, salvigenin, betulafolientriol oxide.	Kamatou et al., 2010.
Salvia repens Burch. ex Benth.	Aerial parts	Rosmarinic acid, caffeic acid, carnosol, carnosic acid	Kamatou et al., 2010.
Salvia rosmarinus (L.) J.B. Walker, B.T. Drew & J.G. González (Syn. *Rosmarinus officinalis* L.)	Aerial parts	*β*-pinene, 1,8-cineole, borneol, camphor, limonene, verbenone, carnosol, carnosic acid, rosmarinic, ursolic, oleanolic, micromeric acid.	Sousa et al., 2019; Malvezzi et al., 2020
Salvia runcinata L. f.	Aerial parts	*α*-pinene, 1,8-cineole, linalool, limonene, myrcene, β-caryophyllene, spathulenol, β-caryophyllene oxide, viridiflorol, δ-3-carene; *α*-bisabolol. *α*-bisabolol, rosmarinic acid; *α*-humulene, guaiol, *α*-bisabolol, manool; caffeic acid	Komatou et al., 2005; Kamatou et al., 2008; Kamatou Viljoen, 2010; ; Komatou et al., 2010a.
Salvia sagittata Ruiz Pav.	Aerial parts	rosmarinic acid; chlorogenic acid, quercetin-3-O-glucoside, hesperetin, cinnamic acid, syringic acid.	Mahmoud et al., 2019 Tubon et al., 2019
Salvia sclarea L.	Aerial part; leaves	Rosmarinic acid; apigenin-7-O-glucoside cineole; linalool; linalyl acetate; *α*-terpineol; methyl chavicol, sclareol	Moretti et al., 1997; Zhong et al., 2015; Kostic et al., 2017; Yang et al., 2022
Salvia splendens Sellow ex Nees	Aerial parts	rosmarinic acid; apigenin-7-glucoside, caffeic acid, vanillic acid, ferulic acid, rutin, p-coumaric acid, cinnamic acid, luteolin, apigenin, kaempferol; chrysin.	El Sawi et al., 2021
Salvia verbenaca L.	Whole plant; aerial parts	1,8-Cineole, p-cymene, *α*-pinene, *γ*-terpinene, *β*-caryophyllene, viridiflorol, epi-13-manool, thymol, limonene, camphor, germacrene D, manool, copaene, cadinol, *δ*-cadinene, p-cymen-8-ol, *α*-humulene, *α*-thujone, (Z)-*β*-ocimene, camphene, *α*-terpineol, bornyl acetate, bicyclogermacrene, *β*-ionone, Epi-*α*-cadinol, *cis*-muurola-4(14),5-diene, muurola-3,5-diene, spathulenol, *cis*-calamenene, 1,10-di-epi-cubenol, (Z)-*β*-ocimene, *β*-eudesmol, isopentyl isovalerate, *α*-gurjunene, *trans*-sabinene hydrate acetate, *β*-bourbonene, *E*-*β*-ocimene, *α*-copaene , *α*-phellandrene, *β*-cubebene, *cis*-*β*-guaiene, *β*-	Kamatou et al., 2008; Bonesi et al., 2017; Taarit et al., 2010; Khouchlaa et al., 2022

Specie	Plant part	Phytochemistry	Reference
		cedrene, p-methyl-acetophenone, 1,10-di-epi-cubenol, (E)-*β*-farnesene, *α*-muurolol, neryl acetate, fenchone, 9,12,15-octadecatrienal, (*E*)-*β*-ionone, *cis*-Muurola-3,5-diene, *γ*-amorphene, carvacrol, hexahydrofarnesyl acetone, p-cymen-8-ol, tricyclene, *α*-calacorene, palmitic acid, arachidic acid, stearic acid, arachidic acid	
Salvia virgata Ortega	Aerial parts	Rosmarinic acid; gallic acid, p-benzoic acid, caffeic acid, o-coumaric acid, luteolin-7-O-glucoside, luteolin; methyl rosmarinate, salvianolic acid F; verbascoside leucosceptoside A isoverbascoside martynoside	Akkol et al., 2008; Küpeli E et al. 2008; Grzegorczyk-Karolak et al. 2022
Salvia yunnanensis C.H. Wright	Aerial parts	Yunnannin A; danshenol C	Bonito et al. 2011
Satureja bachtiarica Bunge	Leaves	Anethole; thymol; carvacrol; piperitenone; carvacryl acetate; caryophyllene aromadendrene *α*-curcumene; ledene: *β*-bisabolene; cyclohexene; *α*-bisabolene; spathulenol; caryophyllene oxide.	Bakhtiarpoor et al., 2018
Satureja cuneifolia Ten.	Aerial parts in flowering	Thymol; p-cymene; terpinene; carvacrol.	Momtaz Abdollahi 2010; Taskin et al. 2020
Satureja hortensis L.	Leaves and flowers; aerial parts; seed	*α*-thujone, *α*-pinene; β-pinene; myrcene; *α*-terpinene; p-cymene; γ-terpinene; thymol; carvacrol acetate; β-caryophyllene	Hajhashemi et al., 2002 Hajhashemi et al., 2012
Satureja khuzistanica Jamzad	Aerial parts	Carvacrol, p-cimene; γ-terpinene; (Z)-β-ocimene; *α*-terpinole, *α*-terpinene; *α*-tujona; *α*-pinene.	Amanlou et al., 2005; Abbasloo et al., 2016; Darabad et al., 2022.
Satureja montana L.	Aerial parts	rosmarinic acid; hyperoside; rutin; chlorogenic acid; p-coumaric acid; caffeic acid; epicatechin; carvacrol	Miguel et al. 2021; Milijasevic et al., 2022
Satureja sahendica Bornm.	Aerial parts and seed	Thymol	Salehi et al., 2018; Omarizadeh et al., 2021
Satureja spicigera (K.Koch) Boiss.	Aerial parts	Thymol,p-cymene, terpinene, carvacrol	Momtaz Abdollahi 2010; Salehi et al. 2018

Specie	Plant part	Phytochemistry	Reference
Satureja thymbra L.		α-pinene, myrcene, γ-terpinene, p-cymene, linalool, β-caryophyllene, α-terpineol, borneol, geraniol, caryophyllene oxide, thymol, carvacrol	Karabay-Yavasoglu et al., 2006.
Tetradenia riparia (Hochst.) Codd	Leaves; stem	Limonene, 1,8-cineole, γ-terpinene, α-pinene, fenchone, α-terpineol, fenchyl alcohol, β-caryophyllene, perillyl alcohol endo-fenchol, camphor, borneol, terpinen-4-ol, geraniol, thymol, α-copaene, β-caryophyllene, α-trans-bergamotene, γ-gurjunene, α-muurolene, germacrene D, α-humulene, viridiflorol, isopimara- 8,15-diene , manoyl oxide.	Ghuman et al., 2019; Garzoli et al. 2022; Shimira 2022;
Thymbra capitata (L.) Cav.	Aerial parts	Carvacrol; thymol; p-cymene, γ-terpinene; linalool; β-caryophyllene; α-thujene, α-pinene, β-myrcene, α-terpinene, camphene, 3-octanone, β-pinene, α-phellandrene, 3-carene, terpinen-4-ol, α-terpineol, carvacrol methyl ether, α-humulene, ledene, β-bisabolene, δ-cadinene, caryophyllene oxide, rosmarinic acid-O-hexoside, syringaresinol-O-hexoside, hesperidin, rosmarinic acid, salvianolic acid, , salvianolic acid A, oxo-dihydroxy-octadecenoic acid, naringenin, apigenin, trihydroxy-octadecenoic acid. 6-hydroxyluteolin, 4-tert-butyl catechol, vanillic, acid, protocatechuic acid, taxifolin, eriodictyol, 6-hydroxyluteolin 7,3′-dimethyl ether, aromadendrin, B/E, eriodictyol, luteolin, 6-hydroxyluteolin, 7,3′,4′-trimethyl ether, ladanein, genkwanin.	Albano Miguel, 2011 Aazza et al., 2016 Taşkın et al., 2018 Aazza et al., 2016; Albano et al., 2011; Carrasco et al., 2016; Llorent-Martínez et al., 2022; Miguel et al., 2021; Saoulajan et al., 2022; Tsioutsiou et al., 2022.
Thymbra spicata L.	Leaves, stems and flowers on button	Carvacrol, γ-terpinene, p-cymene, β-caryophyllene, thymol.	Güneş et al., 2017; Karakaş et al., 2022; Mendi et al., 2017; Mohsenzadeh et al., 2016.
Thymus albicans Hoffmanns. & Link	Flowering parts	Tricyclene, α-pinene , camphene, sabinene, β-pinene, dehydro-1,8-cineole, β-myrcene, α-terpinene, p-cymene, limonene, trans-sabinene hydrate, camphor, geraniol, bornyl acetate, bornyl propionate. β-caryophyllene, allo-aromadendrene, bicyclogermacrene, globulol, viridiflorol, ledol, trans-verbenol, δ-terpineol.	Aazza etal. 2016; Roxo et al. 2020
Thymus caespititius Brot.	Flowers, stems and leaves	Apigenin quercetin-O-glucoside A, luteolin-O-rutoside, apigenin-O-glucoside A, rosmarinic acid, α-thujene, α-pinene, sabinene, 1-octen-3-ol, β-pinene, α-phellandrene, α-terpinene p-cymene, β-phellandrene limonene, trans-sabinene hydrate, terpinolene, thymol, carvacrol, trans-dihydroagarofuran.	Aazza et al. 2016; Alonso et al. 2017

Specie	Plant part	Phytochemistry	Reference
Thymus camphoratus Hoffmanns. & Link	Aerial parts in flowering	α-thujene, α-pinene, camphene, sabinene, β-pinene, myrcene, α-phellandrene α-terpinene, p-cymene, limonene, 1,8-cineole, Z-ocimene, γ-terpinene, cis-linalool oxyde, α-campholenal camphor, E-pinocarveol, E-verbenol, myrtenal, α-terpineol, myrtenol, E-carveol, carvone, geraniol, bornyl acetate, α-terpinyl acetate, α-cubebene, geranyl acetate, E-caryophyllene, aromadendrene.	Albano Miguel 2011; Zuzarte et al. 2018
Thymus citriodorus (Pers.) Schreb.	Aerial parts	1, 8-cineole; geraniol	Oliveira et al., 2022
Thymus daenensis Celak	Aerial parts	Thymol, carvacrol, linalool	Akbarinia etal. 2008; Soosani Sazegar, 2018
Thymus herbabarona Loisel.	flowers, leaves and stems	Caffeic acid, eriodictyol-O-glucoside, quercetin-O-glucoside A, luteolin-C-glucoside A, rosmarinic acid, caffeic acid, thujene, pinene, camphene, 3-octanone, myrcene, 3-octanol, terpinene, p-cymene, limonene, terpinolene, linalool, borneol, thymol methyl ether, carvacrol methyl ether.	Alfonso et al. 2017; Zuzarte et al. 2013
Thymus linearis Benth.	Leaves and stems	Thymol, p-cymene; germacrene-D, γ-terpinene.	Chandra et al. 2016; Qadir et al. 2016
Thymus longicaulis C. Presl		Terpinene, thymol, p-cymene; quinic acid; stachyose, 12-hydroxyjasmonic acid, lariciresinol O-dihexoside; rosmarinic acid O-hexoside, luteolin-O-hexoside, luteolin-O-pentoside, salvianolic acid K, luteolin-O-(acetylpentosyl)pentoside, methylapigenin, isosalvianolic acid, salvianolic acid K.	Galasso et al., 2014
Thymus praecox Opiz	Aerial parts	Chlorogenic acid, luteolin-7-O-glucoside, 3-O-feruloylquinic acid, quercetin-3-O-hexoside, apigenin-7-Oglucuronide	Cam et al. 2019; Taskin et al. 2019
Thymus quinquecostatus Celak		Thymol, γ-terpinene, p-cymene, geraniol, geranyl acetate, borneol , linalool, caryophyllene, anethole , carvacrol, 2-isopropyl-1-methoxy-4-methylbenzene, p-vinyl guaiacol, bicyclo [2.2.1] heptan-2-one, limonene, α-pineno, camphene, β-myrcene, α-terpineol, ascabin	Oh et al., 2008; Kim et al., 2022.
Thymus serpyllum L.	Aerial parts	Camphene; myrcene; 1,8-cineole; limonene; camphor; α-terpineol; linalyl acetate; geranyl acetate; β-caryophyllene; germacrene D.	Raal et al., 2004; Ruiz-Malagón et al., 2022; Ruiz-Malagón et al. 2022b

Specie	Plant part	Phytochemistry	Reference
Thymus armeniacus Klokov & Des.-Shost.	Aerial parts	Sevanol, luteolin-7-0-glucuronide, luteolin-7-O-glucurono-(1-6)glucoside, apigenin-7-O-glucuronide, luteolin, apigenin, apigenin-7-O-glucoside, luteolin-7-O-glucoside, caffeic acid, rosmarinic acid, p-coumaric acid, lamiuside A, verbascoside, nepetalactone, actinidine, iridomyrmecin, β-caryophyllene, nerol, caryophyllene oxide, elemol, geraniol, geranial, 1,8-cineole, citronellol, citronellyl acetate, β-sitosterol, α-amyrin, sitosterol β-glucopyranoside, ursolic acid, piperitone, humulene oxide, dimethyl-3,7-oxa-1-bicyclo [3,3,0]oct-2-ene, hexenyl benzoato, thymol, sabinene, β-farnesene, photocitral B, citronellal, menthol, lavandulol, rosefuran epoxide, E-isocitral, neral.	Modnicki et al. 2007; Prescott et al., 2011; Pargaien et al., 2020; Acimovic et al., 2022
Thymus broussonetii Boiss.	Whole plant; leaves	Borneol, p-cymene, carvacrol, camphene, α -terpinene, α-pinene, trans-sabinene hydrate, caryophyllene oxide, (E)-β-caryophyllene, bornyl acetate, carvacrol methyl ether, camphor, linalool, cis-sabinene hydrate, 4-terpineol, p-cymen-8-ol, thymol, trans-verbenol, 1-octen-3ol, 1,8-cineol, β-pinene, (E)-β-caryophyllene, geraniol formate, p-menth-1,4(8)-diene, linalyl propionate, β-cadrene, thujol, cinerone, 1-octen-3-ol, viridiflorene, borneol, γ-terpinene, myrcene, camphene, α–thujene, aromadendrene, caryophyllene oxide, germacrene D, δ-cadinene, eucalyptol, τ-muurolol, γ–cadinene, ledene, luteolin, thymonin, eriodictyol, luteolin-7-O-glucoside, luteolin-3′-O-glucuronide, eriodictyol-7-O-glucoside	Ismaili et al., 2002; Salehi e al., 2018; Naceiri et al., 2021; El Yaagoubi et al., 2021;
Thymus carnosus Boiss.	Aerial parts	Santene, iso-citronelle, α-pinene, camphene, p-3-menthene, α-phellandrene, 2-acetyl-thiazole, limonene, 1,8-cineole, cis-arbuscolone, artemisia ketone, dihydro myrcenol, m-cymenene, terpinolene, linalool, myrcenol, 3-iso-thujanol, cis-verbenol, camphor, borneol, verbenone, trans-piperitol, trans-carveol, carvone, α-ylangene, bakerol, D-germacrene, neryl, vanillin acetate, flavesone, silphiperfol-5-en-3-ol, D-davanone, eremoligenol, 3-iso-thujopsanone, valerianol, cadelene, sesquicineol-2-one, methyl linoleate.	Nahak and Kanta, 2014; dos Santos et al., 2021; de Lima et al., 2014;
Thymus kotschyanus Boiss. & Hohen.	leaves	3-octenol, trans-ocimene, methyl chavicol, cis-anethol, δ-elemene, α-copaene, β-bourbonene, β-cubenene, β-elemene, methyl eugenol, trans-caryophyllene, β-gurjunene, α-humulene, allo-aromadendrene, germacrene D, β-selinene, α-(E, E)-farnesene, δ-cadinene.	Moraes et al., 2002; Piva et al., 2021
Thymus mastichina L.	Aerial parts	1,8- cineole, α-pinene, camphene, sabinene, β-pinene, camphor, γ-terpinene, borneol, terpinen-4-ol, γ-terpineol	Albano Miguel 2011; Aazza et al., 2016; Oliveira et al., 2023

Specie	Plant part	Phytochemistry	Reference
Thymus sipyleus Boiss.		rosmarinic acid, luteolin-7-O-glucoside, p-cymene, γ-terpinene, trans-dihydrocarvone, γ-muurolene, γ-cadinene, caryophyllene oxide, (R)-5-isopropyl-2-methylcyclohexa-1,3-diene, α-thujene, carvacrol methyl ether, sabinene hydrate, β-bisabolene, β-caryophyllene, β-phellandrene, crithmene, borneol, carvacryl acetate, camphene, isothymol, carvacrol, terpinolene, 1-octen-3-ol, 1-methyl-4-isopropenylbenzene, pinene, carvone, limonene.	Günes et al., 2017; Demirci et al., 2018; Ustuner et al., 2019; Llorente-Martínez et al., 2022
Thymus pulegioides L.	Aerial parts	Luteolin, apigenin, caffeic acid, rosmarinic acid.	Stalinska et al., 2005; Pavel et al., 2011
Thymus vulgaris L.	Aerial parts	α-thujone; α-pinene; camphene; myrcene; p-cymene; α-terpinene; eucalyptol; sabinene hydrate; borneol; terpinen-4-ol; thymol.	Bacalbasa et al. 2022 Pandur et al., 2022
Zataria multiflora Boiss.	Aerial parts	Thymol; carvacrol; linalool; p-cymene; γ-terpinene; α-pinene; eucalyptol; β-caryophyllene; borneol; 3-sitosterol; stigmasterol; oleanolic acid; betulinic acid; apigenin; luteolin.	Khazdair et al., 2018; Ghorani et al., 2022
Ziziphora clinopodioides Lam.	Aerial part; leaves	Cinaroside; apiin; diosmine; linarin, crisin; tanshinone IIA; caffeic acid; luteolin; quercetin; baicalein; kaempferol; curcumin; piceatannol, Exo-2-hydroxy cineole; limonene dioxide; blumenol C; sabinene; limonene; eucalyptol; menthone; isomenthone; menthol.	Chen et al., 2002; Shabbir et al., 2018; Ahmeda et al. 2020; Wu et al., 2020; Zhang et al., 2021; Ulikhanyan et al., 2022
Ziziphora tenuior L.	Aerial parts	p-menth-3-en-8-ol, isomenthone, 8-hydroxymenthone.	Nabiuni et al., 2015; Abu-Darwish et al., 2016; Kianpour et al., 2021

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