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| **Table S4.** The list of 126 compounds that were reported from *Teucrium polium* L. | | | | |
| **No** | **Compound Group** | | **Compound Name** | **References** |
| **1** | Flavonoid | Phenolics | 4',7-dimethoxy apigenin | (Sharififar et al. 2008; Verykokidouvitsaropoulou & Vajias 1986; Esmaeili 2014) |
| **2** | Flavonoid | Phenolics | 4'-*O*-methyl luteolin (Diosmetin) | (Harborne et al. 1986; Mitreski et al. 2014; Stefkov et al. 2009; Venditti et al. 2017b; Tepe et al. 2011) |
| **3** | Flavonoid | Phenolics | 6-hydroxy luteolin | (Elmasri et al. 2015a) |
| **4** | Flavonoid | Phenolics | Acacetin | (Venditti et al. 2017a) |
| **5** | Flavonoid | Phenolics | Apigenin | (D'Abrosca et al. 2013; Esmaeili & Sadeghi 2009; Mitreski et al. 2014; Sharififar et al. 2008; Stefkov et al. 2009; Venditti et al. 2017a; Esmaeili 2014; Pacifico et al. 2012; Goulas et al. 2012) |
| **6** | Flavonoid | Phenolics | Catechin | ( Milosevic-Djordjevic et al. 2018) |
| **7** | Flavonoid | Phenolics | Cirsilineol | (Harborne et al. 1986; Stefkov et al. 2009; Venditti et al. 2017b) |
| **8** | Flavonoid | Phenolics | Cirsiliol | (Harborne et al. 1986; Mitreski et al. 2014; Stefkov et al. 2009; Venditti et al. 2017b; Verykokidouvitsaropoulou & Vajias 1986) |
| **9** | Flavonoid | Phenolics | Cirsimaritin | (Harborne et al. 1986; Kawashty et al. 1999; Mitreski et al. 2014; Stefkov et al. 2009; Venditti et al. 2017a; Venditti et al. 2017b; Verykokidouvitsaropoulou & Vajias 1986; Elmasri et al. 2016a) |
| **10** | Flavonoid | Phenolics | Eupatorin | (Verykokidouvitsaropoulou & Vajias 1986) |
| **11** | Flavonoid | Phenolics | Isoscutellarein | (Harborne et al. 1986) |
| **12** | Flavonoid | Phenolics | Jaceosidin (3',6-dimethoxy apigenin) | (Sharififar et al. 2008; Esmaeili 2014) |
| **13** | Flavonoid | Phenolics | Luteolin | (D'Abrosca et al. 2013; Harborne et al. 1986; Mitreski et al. 2014; Proestos et al. 2006; Stefkov et al. 2009; Venditti et al. 2017a; Pacifico et al. 2012; Tepe et al. 2011) |
| **14** | Flavonoid | Phenolics | Myricetin | (Milosevic-Djordjevic et al. 2018) |
| **15** | Flavonoid | Phenolics | Quercetin | (Harborne et al. 1986) |
| **16** | Flavonoid glycoside | Phenolics | Apigenin-7*-O*-glucoside (Cosmosiin) | (Kawashty et al. 1999; Mitreski et al. 2014; Venditti et al. 2017a; Goulas et al. 2012) |
| **17** | Flavonoid glycoside | Phenolics | Apigenin-7-*O*-rutinoside (Isorhoifolin) | (Mitreski et al. 2014; Venditti et al. 2017b; Goulas et al. 2012) |
| **18** | Flavonoid glycoside | Phenolics | Diosmetin-7-rutinoside (diosmin) | (Harborne et al. 1986; Mitreski et al. 2014) |
| **19** | Flavonoid glycoside | Phenolics | Kaempferol 7-*O*-diglucoside | (Mitreski et al. 2014) |
| **20** | Flavonoid glycoside | Phenolics | Luteolin 7-*O-β*-D-(5-*O*-syringyl)apiofuranosyl-(1 ⃗2)-*O-β*-D-glucopyranoside | (D'Abrosca et al. 2013) |
| **21** | Flavonoid glycoside | Phenolics | Luteolin 7-sambubioside | (Harborne et al. 1986) |
| **22** | Flavonoid glycoside | Phenolics | Luteolin-4'-*O*-glucoside | (De Marino et al. 2012) |
| **23** | Flavonoid glycoside | Phenolics | Luteolin-7-*O*-glucoside (Cynaroside) | (D'Abrosca et al. 2013; De Marino et al. 2012; Harborne et al. 1986; Kawashty et al. 1999; Mitreski et al. 2014; Tepe et al. 2011) |
| **24** | Flavonoid glycoside | Phenolics | Luteolin-7-*O*-rutinoside (Scolymoside) | (D'Abrosca et al. 2013; De Marino et al. 2012; Harborne et al. 1986; Mitreski et al. 2014; Tepe et al. 2011) |
| **25** | Flavonoid glycoside | Phenolics | Quercetin 3-glucoside (Isoquercitrin) | (Harborne et al. 1986) |
| **26** | Flavonoid glycoside | Phenolics | Rutin | (Esmaeili & Sadeghi 2009; Esmaeili 2014) |
| **27** | Flavonoid glycoside | Phenolics | Vicenin-2 | (Harborne et al. 1986; Kawashty et al. 1999) |
| **28** | Lignin | Phenolics | (7S,8R)-4-(*O*-*β*-D-glucopyranosyl)-dehydrodiconiferyl alcohol | (Elmasri et al. 2015a) |
| **29** | Lignin | Phenolics | (7S,8R)-5-methoxy-4-(*O*-*β*-D-glucopyranosyl)dehydrodiconiferyl alcohol (scorzonoside) | (Elmasri et al. 2015a) |
| **30** | Phenolic acid | Phenolics | Caffeic acid | (Proestos et al. 2006; Tepe et al. 2011) |
| **31** | Phenolic acid | Phenolics | Chlorogenic acid | (Milosevic-Djordjevic et al. 2018) |
| **32** | Phenolic acid | Phenolics | Gallic acid | (Milosevic-Djordjevic et al. 2018) |
| **33** | Phenolic acid | Phenolics | *p-*coumaric acid | (Milosevic-Djordjevic et al. 2018) |
| **34** | Phenolic acid | Phenolics | *t-*ferulic acid | (Proestos et al. 2006) |
| **35** | Phenolic acid | Phenolics | Vanillic acid | (Milosevic-Djordjevic et al. 2018) |
| **36** | Phenylethanol | Phenolics | 2-(3,4-dihydroxyphenyl)ethanol (hydroxytrosol) | (Elmasri et al. 2015a) |
| **37** | Phenylethanol | Phenolics | Tyrosol | (Proestos et al. 2006) |
| **38** | Phenylethanoid glycoside | Phenolics | 3-(*O*-*β*-D-glucopyranosyl)-*α*-(*O-β*-D-glucopyranosyl)-4-hydroxyphenylethanol | (Elmasri et al. 2015a) |
| **39** | Phenylethanoid glycoside | Phenolics | 3,4-dihydroxy-3-(*O-β*-D-glucopyranosyl)phenethanol | (Elmasri et al. 2015a) |
| **40** | Phenylethanoid glycoside | Phenolics | Allysonoside | (Mitreski et al. 2014) |
| **41** | Phenylethanoid glycoside | Phenolics | Echinacoside | (Mitreski et al. 2014) |
| **42** | Phenylethanoid glycoside | Phenolics | Forsythoside A (Forsythiaside) | (Mitreski et al. 2014) |
| **43** | Phenylethanoid glycoside | Phenolics | Forsythoside B | (Mitreski et al. 2014) |
| **44** | Phenylethanoid glycoside | Phenolics | Leucosceptoside A | (Mitreski et al. 2014) |
| **45** | Phenylethanoid glycoside | Phenolics | Poliumoside | (De Marino et al. 2012; Oganesyan et al. 1991; Venditti et al. 2017b; Elmasri et al. 2016a; Elmasri et al. 2014; Pacifico et al. 2012; Goulas et al. 2012) |
| **46** | Phenylethanoid glycoside | Phenolics | Poliumoside B | (De Marino et al. 2012; Mitreski et al. 2014) |
| **47** | Phenylethanoid glycoside | Phenolics | Samioside | (Mitreski et al. 2014) |
| **48** | Phenylethanoid glycoside | Phenolics | Teupolioside | (Oganesyan et al. 1991) |
| **49** | Phenylethanoid glycoside | Phenolics | Acteoside | (Mitreski et al. 2014; Oganesyan et al. 1991; Venditti et al. 2017a; Elmasri et al. 2016a; Goulas et al. 2012; Tepe et al. 2011) |
| **50** | Secoiridoid | Terpenoids | 4-[(*β*-D-glucopyranosyloxy)methylene]-5*α*-(2-hydroxyethyl)-5-(*α*-L-rhamnopyranosyloxy)-3-methylcyclopent-2-en-1-one | (Elmasri et al. 2015a) |
| **51** | Secoiridoid | Terpenoids | 4*α*-[(*β*-D-glucopyranosyloxy)methyl]-5*α*-(2-hydroxyethyl)-3-methylcyclopent-2-en-1-one | (Elmasri et al. 2015a; Elmasri et al. 2016b) |
| **52** | Secoiridoid | Terpenoids | 5*α*-[2-(*β*-D-glucopyranosyloxy)ethyl]-4*α*-hydroxymethyl-3-methylcyclopent-2-en-1-one | (Elmasri et al. 2015a; Elmasri et al. 2016b) |
| **53** | Secoiridoid | Terpenoids | 5*α*-(2-hydroxyethyl)-4*α*-hydroxymethyl-3-methylcyclopent-2-en-1-one | (Elmasri et al. 2015a) |
| **54** | Iridoid glycoside | Terpenoids | 8-*O*-acetyl harpagide | (De Marino et al. 2012; Elmasri et al. 2016a) |
| **55** | Iridoid glycoside | Terpenoids | Teucardoside | (De Marino et al. 2012; Elmasri et al. 2016a; Elmasri et al. 2016b Elmasri et al. 2014) |
| **56** | Iridoid glycoside | Terpenoids | Teuhircoside | (Elmasri et al. 2015a; Elmasri et al. 2016b) |
| **57** | Iridoid glycoside | Terpenoids | 1*α*-(*β*-D-glucopyranoxy)-6*α*,7*α*-epoxy-4aβ,5α-dihydroxy-7-methyl-1,4a,5,6,7,7aβ-hexahydrocyclopenta[c]pyran | (Elmasri et al. 2015a) |
| **58** | Diterpenoid | Terpenoids | 10-*β*-hydroxy-teucjaponin B | (Venditti et al. 2017b) |
| **59** | Diterpenoid | Terpenoids | 19-deacetylteuscorodol | (Fiorentino et al. 2011) |
| **60** | Diterpenoid | Terpenoids | 20-*O*-acetyl-teucrasiatin | (Venditti et al. 2017a) |
| **61** | Diterpenoid | Terpenoids | 7-hydroxy-6-ketone picropolin | (Marquez & Valverde 1979) |
| **62** | Diterpenoid | Terpenoids | Capitatin | (Malakov & Papanov 1983; Bruno et al. 2003) |
| **63** | Diterpenoid | Terpenoids | Clerodane-6,7-dione | (Marquez & Valverde 1979) |
| **64** | Diterpenoid | Terpenoids | Montanin B | (Fiorentino et al. 2011) |
| **65** | Diterpenoid | Terpenoids | Montanin D | (Fiorentino et al. 2011; Pacifico et al. 2012) |
| **66** | Diterpenoid | Terpenoids | Montanin E | (Fiorentino et al. 2011; Pacifico et al. 2012) |
| **67** | Diterpenoid | Terpenoids | Phytol | (Venditti et al. 2017a) |
| **68** | Diterpenoid | Terpenoids | Picropolin | (Venditti et al. 2017b) |
| **69** | Diterpenoid | Terpenoids | Teubutilin A | (Fiorentino et al. 2011; Pacifico et al. 2012) |
| **70** | Diterpenoid | Terpenoids | Teuchamaecrin C | (Fiorentino et al. 2011; Pacifico et al. 2012) |
| **71** | Diterpenoid | Terpenoids | Teucrasiatin | (Venditti et al. 2017a) |
| **72** | Diterpenoid | Terpenoids | Teucroxylepin | (Fiorentino et al. 2011) |
| **73** | Diterpenoid | Terpenoids | Teukotschyn | (Fiorentino et al. 2011) |
| **74** | Diterpenoid | Terpenoids | Teulamifin B | (De Marino et al. 2012; Fiorentino et al. 2011; Pacifico et al. 2012) |
| **75** | Diterpenoid | Terpenoids | Teulolin A | (Bedir et al. 1999) |
| **76** | Diterpenoid | Terpenoids | Teulolin B | (Bedir et al. 1999) |
| **77** | Diterpenoid | Terpenoids | Teupolin I | (Venditti et al. 2017b) |
| **78** | Diterpenoid | Terpenoids | Teupolin IV | (Malakov & Papanov 1983) |
| **79** | Diterpenoid | Terpenoids | Teupolin IX | (Fiorentino et al. 2011; Pacifico et al. 2012) |
| **80** | Diterpenoid | Terpenoids | Teupolin V | (Malakov & Papanov 1983) |
| **81** | Diterpenoid | Terpenoids | Teupolin VI | (Fiorentino et al. 2011; Pacifico et al. 2012) |
| **82** | Diterpenoid | Terpenoids | Teupolin VII | (Fiorentino et al. 2011; Pacifico et al. 2012) |
| **83** | Diterpenoid | Terpenoids | Teupolin VIII | (Fiorentino et al. 2011; Pacifico et al. 2012) |
| **84** | Diterpenoid | Terpenoids | Teupolin X | (Fiorentino et al. 2011; Pacifico et al. 2012) |
| **85** | Diterpenoid | Terpenoids | Teupolin XI | (Fiorentino et al. 2011; Pacifico et al. 2012) |
| **86** | Diterpenoid | Terpenoids | Teupolin XII | (Fiorentino et al. 2011; Pacifico et al. 2012) |
| **87** | Diterpenoid | Terpenoids | Teusalvin C | (De Marino et al. 2012; Fiorentino et al. 2011) |
| **88** | Triterpenoid | Terpenoids | Maslinic acid | (Venditti et al. 2017a) |
| **89** | Triterpenoid | Terpenoids | Oleanolic acid | (Venditti et al. 2017a) |
| **90** | Nonsesquiterpenoid | Terpenoids | (1R, 4S, 10R) 10,11-dimethyl-dicyclohex-5(6)-en-1,4-diol-7-one | (Elmasri et al. 2016a) |
| **91** | Cyanogenic glycoside | Amino acid derivative | (R)-mandelonitrile-β-laminaribioside | (Elmasri et al. 2016a) |
| **92** | Sesquiterpenoid | Terpenoids | (1R,6R,7R,8S,11R)-1,6-dihydroxy-4,11-dimethyl-germacran-4(5), 10(14)-dien-8,12-olide | (Elmasri et al. 2016a) |
| **93** | Sesquiterpenoid | Terpenoids | (10R,1R,4S,5S,6R,7S)-4,10-die-poxygermacran-6-ol | (Elmasri et al. 2016a) |
| **94** | Phenylethanoid glycoside | Phenolics | 2-(3-hydroxy-4-methoxyphenyl)-ethyl-O-(αL-rhamnosyl)-(1->3)-O-(α-L-rhamnosyl)-(1->6)-4-O-E-feruloyl-β-D-glucopyranoside | (Elmasri et al. 2016a) |
| **95** | Cyanogenic glycoside | Amino acid derivative | Prunasin | (Elmasri et al. 2016a) |
| **96** | Nonsesquiterpenoid | Terpenoids | 1α-hydroxy isoondetamnone | (Elmasri et al. 2016a) |
| **97** | Saponin | Terpenoids | Poliusaposide A | (Elmasri et al. 2015b) |
| **98** | Saponin | Terpenoids | Poliusaposide B | (Elmasri et al. 2015b) |
| **99** | Saponin | Terpenoids | Poliusaposide C | (Elmasri et al. 2015b) |
| **100** | Sesquiterpenoid | Terpenoids | 4β,5α-Epoxy-7αH-germacr-10(14)-en-6β-ol-1-one | (Elmasri et al. 2014) |
| **101** | Sesquiterpenoid | Terpenoids | 4β,5α-Epoxy-7αH-germacr-10(14)-en,1β-hydroperoxyl,6β-ol | (Elmasri et al. 2014) |
| **102** | Sesquiterpenoid | Terpenoids | 4β,5β-Epoxy-7αH-germacr-10(14)-en,1β-hydroperoxyl,6β-ol | (Elmasri et al. 2014) |
| **103** | Sesquiterpenoid | Terpenoids | 4α,5β-epoxy-7αH-germacr-10(14)-en,1β-hydroperoxyl,6α-ol | (Elmasri et al. 2014) |
| **104** | Sesquiterpenoid | Terpenoids | 10α,1β;4β,5α-diepoxy-7αH-germacrm-6-ol | (Elmasri et al. 2014) |
| **105** | Sesquiterpenoid | Terpenoids | Teucladiol | (Elmasri et al. 2014) |
| **106** | Sesquiterpenoid | Terpenoids | 4β,6β-dihydroxy-1α,5β(H)-guai-9-ene | (Elmasri et al. 2014) |
| **107** | Sesquiterpenoid | Terpenoids | Oplopanone | (Elmasri et al. 2014) |
| **108** | Sesquiterpenoid | Terpenoids | Oxyphyllenodiol A | (Elmasri et al. 2014) |
| **109** | Sesquiterpenoid | Terpenoids | rel-1β,3α,6β-trihydroxyeudesm-4-ene | (Elmasri et al. 2014) |
| **110** | Sesquiterpenoid | Terpenoids | Arteincultone | (Elmasri et al. 2014) |
| **111** | Flavonoid | Phenolics | 5,6-Dihydroxy-7,4'-dimethoxyflavone (Ladanein) | (Elmasri et al. 2014) |
| **112** | Flavonoid | Phenolics | Salvigenin | (Elmasri et al. 2014) |
| **113** | Iridoid glycoside | Terpenoids | 1α-(β-D-glucopyranoxy)-7α,8α-epoxy-5β,6α-dihydroxy-8-methyl-1,5,6,7,8,9β-hexahydrocyclopenta[c]pyran | (Elmasri et al. 2016b) |
| **114** | Iridoid glycoside | Terpenoids | (4aS)‐7‐methyl‐1‐{[(3R,4S,5S,6R)‐3,4,5‐trihydroxy‐6‐  (hydroxymethyl)oxan‐2‐yl]oxy}‐4a‐{[(3S,4S,5S,6R)‐  3,4,5‐trihydroxy‐6‐methyloxan‐2‐yl]oxy}‐  3H,4H,4aH,5H‐cyclopenta[c]pyran‐5‐one | (Elmasri et al. 2016b) |
| **115** | Flavonoid glycoside | Phenolics | Apigenin 4'-O-glucoside | (Goulas et al. 2012) |
| **116** | Flavonoid | Phenolics | 5,3',4'- trihydroxy-3,7-dimethoxyflavone | (Goulas et al. 2012) |
| **117** | Flavonoid | Phenolics | Kumatakenin (Jaranol) | (Goulas et al. 2012) |
| **118** | Flavonoid glycoside | Phenolics | Diosmetin 7-O-glucoside | (Tepe et al. 2011) |
| **119** | Flavonoid glycoside | Phenolics | Apigenin 7-O-glucuronide | (Tepe et al. 2011) |
| **120** | Diterpenoid | Terpenoids | Auropolin | (Bruno et al. 2003) |
| **121** | Diterpenoid | Terpenoids | 20-epi-auropolin | (Bruno et al. 2003) |
| **122** | Sesquiterpenoid | Terpenoids | β-eudesmol | (Alaa 1995) |
| **123** | Sesquiterpenoid | Terpenoids | α-Cadinol | (Alaa 1995) |
| **124** | Sesquiterpenoid | Terpenoids | 7-epi-Eudesm-4(15)-ene-lβ,6α-diol | (Alaa 1995) |
| **125** | Sesquiterpenoid | Terpenoids | 7-epi-Eudesm-4(15)-ene-lβ,6β-diol | (Alaa 1995) |
| **126** | Diterpenoid | Terpenoids | Teupolin III | (Malakov et al. 1982) |

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