

Presence of Compounds in Pau d'Arco (*Tabebuia impetiginosa*)

Compound	Chemical Type	Plant Part	Plant Origin	Quantity	Ref #
Ajugol, 6-o-(3-4-dimethoxy-benzoyl)-	Iridoid Monoterpene	Bark	Brazil	00.02%	H11723
Ajugol, 6-o-(para-hydroxy-benzoyl)-	Iridoid Monoterpene	Bark	Brazil	00.0356%	H11723
Ajugol, 6-o-(para-methoxy-benzoyl)-	Iridoid Monoterpene	Bark	Brazil	00.14%	H11723
Anisaldehyde	Benzenoid	Stembark	Argentina		H05276
Anisic acid	Benzenoid	Stembark	Argentina	Not Stated	H05276
Anthraquinone, 1-hydroxy-	Quinoid	Heartwood Heartwood	SouthAmerica Not Stated	00.00160%	L19377 A12233
Anthraquinone ,1-methoxy-	Quinoid	Heartwood Heartwood	Not Stated South America	00.00036%	A12233 L19377
Anthraquinone, 2-acetoxy-methyl-	Quinoid	Heartwood	Not Stated	00.00400%	A12233
Anthraquinone, 2-hydroxy-3-methyl-	Quinoid	Heartwood	Not Stated	00.00620%	A12233
Anthraquinone, 2-hydroxy-methyl-	Quinoid	Heartwood	Not Stated	00.00240%	A12233
Anthraquinone, 2-methyl-	Quinoid	Heartwood	South America		L19377
Anthraquinone, methyl- 2-acetoxy-	Quinoid	Heartwood	South America		L19377
Anthraquinone, methyl- 2-hydroxy-	Quinoid	Heartwood	South America		L19377
Anthraquinone-2-aldehyde	Quinoid	Heartwood	Not Stated	00.00320%	A12233
Anthraquinone-2-carboxylic acid	Quinoid	Heartwood Heartwood	Not Stated South America	00.00360%	A12233 L19377
Benzoic acid, 3-4-5-trimethoxy-	Benzenoid	Stembark	Argentina		H05276
Benzoic acid, 3-4-dimethoxy-	Benzenoid	Bark	Brazil		H26004
Benzoic acid, 4-hydroxy-	Benzenoid	Stembark Heartwood	Argentina Not Stated	00.01960%	H05276 A12233
Benzoic acid, o-hydroxy-	Benzenoid	Heartwood	Not Stated		ZZ1064

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Benzoic acid, p-hydroxy-	Benzenoid	Heartwood	Not Stated		ZZ1064
Benzoic acid, 4-methoxy-	Benzenoid	Bark	Brazil		H26004
Benzoic acid, ortho-hydroxy-	Benzenoid	Heartwood	Not Stated	00.00820%	A12233
Benzo[b]furan-6-carboxaldehyde	Oxygen Heterocycle	Stembark	Argentina	00.0005%	H05276
Benzene, 5-allyl-1,2,3-trimethoxy-		Inner Bark	Korea		AU1023
Benzene, 1-methoxy-4-(1E)-1-propenyl-		Inner Bark	Korea		AU1023
Benzyl, 4-methoxy alcohol		Inner Bark	Korea		AU1023
Carboxaldehyde, benzo(b)furan-6-	Quinoid	Stembark	Germany		H05276
Chromium	Inorganic	Not Stated	Brazil		M29199
Chrysanthemine	Flavonoid	Flowers	USA (Cult)		M14652
Cyanidin-3-o-beta-d-rutinoside	Flavonoid	Flowers	USA (Cult)		M14652
Cyclopent-2-ene-1-acetaldehyde, 2-formyl-5-(3'-4'-Dimethoxy-benzoyl-oxy)-3-methyl-	Alicyclic	Bark	Brazil	00.0000445%	H26004
Cyclopent-2-ene-1-acetaldehyde, 2-formyl-5-(4'-methoxy-benzoyl-oxy)-3-methyl-	Alicyclic	Bark	Brazil	00.000044%	H26004
Furanonaphthoquinone, 2-3-dihydro-2-(2-methyl-ethenyl)-	Quinoid	Bark	South America		L19377
Furanonaphthoquinone, 2-acetyl quinoid	Bark	Not Stated	South America		L19377
Furanonaphthoquinone, 2	Quinoid	Bark	South America		L19377
Furanonaphthoquinone, 2-hydroxy-ethyl-	Quinoid	Bark	South America		L19377
Furanonaphthoquinone, 2-iso-propyl-	Quinoid	Bark	South America		L19377
Furanonaphthoquinone, 8-hydroxy-2-acetyl-	Quinoid	Bark	South America		L19377
Furanonaphthoquinone, 8-hydroxy-2-hydroxy-ethyl-	Quinoid	Bark	South America		L19377
Furanonaphthoquinone, 1-(1-hydroxy-ethyl)	Quinoid	Bark	Brazil		K09729
Kigelinone	Quinoid	Callus Tissue Bark	Brazil Brazil	00.05% 00.00028%	K28241 M28769

Compound	Chemical Type	Plant Part	Plant Origin	Quantity	Ref #
Lapachenol	Oxygen Heterocycle	Heartwood	South America		L19377
Lapachenole	Oxygen Heterocycle	Bark Heartwood	Costa Rica Not Stated	00.015% 00.02000%	H16341 A12233
Lapachol	Quinoid	Bark Heartwood Bark Heartwood Wood Callus Tissue Bark Bark Stembark Bark	Brazil South America Costa Rica Not Stated Not Stated Brazil South America South America Argentina Not Stated	00.14% 04.12400% 15.9% 2-7%	A03256 L19377 H16341 A12233 J04271 K28241 L02894 L19377 H05276 ZZ1064
Lapachol, hydrochloro-	Quinoid	Not Stated	Brazil		AU1017
Lapachol methyl ether	Quinoid	Heartwood Heartwood	South America Not Stated	00.00260%	L19377 A12233
Lapachol, deoxy-	Quinoid	Heartwood Heartwood	South America Not Stated	00.00280%	L19377 A12233
Lapachone, alpha-	Quinoid	Heartwood Bark Heartwood Heartwood Bark Bark Bark Stembark Heartwood	South America Brazil Not Stated South America Costa Rica South America South America Argentina Not Stated	00.00440% 00.035% 00.00620%	L19377 A03256 A12233 L19377 H16341 L02894 L19377 H05276 A12233
Lapachone, alpha-iso-	Quinoid	Bark	Costa Rica	00.02%	H16341
Lapachone, alpha-iso-dehydro-(-)-	Quinoid	Stembark	Argentina		H05276
Lapachone, alpha-dehydro	Quinoid	Not Stated	Not Stated		ZZ1064
Lapachone, alpha-iso-dehydro-5-hydroxy-	Quinoid	Stembark	Argentina	00.00012%	H05276

Compound	Chemical Type	Plant Part	Plant Origin	Quantity	Ref #
Lapachone, beta-	Quinoid	Bark Heartwood Heartwood	Brazil South America Not Stated	00.01520%	A03256 L19377 A12233
Lariciresinol, iso-8'-Hydroxy-	Lignan	Bark	Costa Rica	00.03%	H16341
Mellein, 6-hydroxy(-)-	Coumarin	Stembark	Argentina		H05276
Menaquinone	Quinoid	Heartwood Heartwood	South America Not Stated	00.00100%	L19377 A12233
Menaquinone-1	Quinoid	Not Stated	Not Stated		ZZ1064 A12233
Naphtho(2,3-b)-furan-4-9-dione, 2-acetyl-	Quinoid	Bark	Brazil		M28769
Naphtho(2,3-b)-furan-4-9-dione, 2-ethyl-	Quinoid	Bark	Brazil		M28769
Naphtho(2,3-b)-furan-4-9-dione, 5-hydroxy-2-(1-hydroxy-ethyl)-	Quinoid	Bark	Brazil	00.00028%	M28769
Naphtho(2-3-b)-furan-4-9-dione, 2-(1'-Hydroxy-ethyl)-(+)-	Quinoid	Stembark	Argentina		H05276
Naphtho(2-3-b)-furan-4-9-dione, 2-(1-hydroxy-ethyl)-	Quinoid	Bark	Peru		M20404
Naphtho(2-3-b)-furan-4-9-dione, 2-acetyl-5-hydroxy-	Quinoid	Stembark	Argentina	00.00037%	H05276
Naphtho(2-3-b)-furan-4-9-dione, 2-acetyl-8-hydroxy-	Quinoid	Stembark	Argentina	00.00043%	H05276
Naphtho(2-3-b)-furan-4-9-dione, 2-acetyl-	Quinoid	Bark Stembark	Peru Argentina		M20404 H05276
Naphtho(2-3-b)-furan-4-9-dione, 5-hydroxy-2-(1'-Hydroxy-ethyl)-(-)-	Quinoid	Stembark	Argentina	00.001%	H05276
Naphtho(2-3-b)-furan-4-9-dione, 8-hydroxy-2-(1'-Hydroxy-ethyl)-(rs)-	Quinoid	Stembark	Argentina	00.00037%	H05276
Naphtho[2,2]b-furan-4-9-dione, 8-hydroxy-2-hydroxy-ethyl-	Quinoid	Bark	South America		L02894
Naphtho[2,3-b]-furan-4-9-dione, 2-acetyl-	Quinoid	Bark	Brazil		L13573
Naphtho[2,3-b]-furan-4-9-dione, 2-(1-hydroxy-ethyl)-	Quinoid	Bark Bark	Brazil Peru		L13573 K19905

Compound	Chemical Type	Plant Part	Plant Origin	Quantity	Ref #
Naphtho[2,3-b]-furan-4-9-dione, 2-3-dihydro-2-(1-methyl-ethenyl)-	Quinoid	Bark	South America		L02894
Naphtho[2,3-b]-furan-4-9-dione, 2-acetyl-	Quinoid	Bark	Peru		K19905
Naphtho[2,3-b]-furan-4-9-dione, 2-ethyl-	Quinoid	Bark	Brazil		L13573
Naphtho[2,3-b]-furan-4-9-dione, 2-hydroxy-ethyl-	Quinoid	Bark	South America		L02894
Naphtho[2,3-b]-furan-4-9-dione, 2-methyl-	Quinoid	Bark	Brazil		L13573
Naphtho[2,3-b]-furan-4-9-dione, 5-hydroxy-2-(1-hydroxy-ethyl)-	Quinoid	Bark	Brazil		L13573
Naphtho[2,3-b]-furan-4-9-dione, 7-8-dihydroxy-	Quinoid	Bark	Brazil		L13573
Naphtho[2,3-b]-furan-4-9-dione, 8-hydroxy-2-(1-hydroxy-ethyl)-	Quinoid	Bark	Brazil		L13573
Naphtho[2,3-b]-furan-4-9-dione, 8-hydroxy-2-methyl-	Quinoid	Bark	Brazil		L13573
Naphtho[2,3-b]furan-4-9-dione, 2-acetyl-5-hydroxy-	Quinoid	Callus Tissue	Brazil	00.005%	K28241
Naphtho[2-3-b]furan-4-9-dione, 5-hydroxy-2-(hydroxy-ethyl)-	Quinoid	Bark	Brazil	00.00007%	H26004
Naphtho[2-3-b]furan-4-9-dione, 8-hydroxy-2-(hydroxy-ethyl)-	Quinoid	Bark	Brazil		H26004
Naphthoquinone, 1-4-, 2-3-dimethyl-	Quinoid	Heartwood	Not Stated	00.00320%	A12233
Naphthoquinone, 1-4, alpha-ethylfurano-	Quinoid	Wood	France		AU1014
Paeonidin-3-cinnamyl-sophoroside	Flavonoid	Flowers	Brazil		H16202
Phenol, 4-methoxy		Inner Bark	Korea		AU1023
Phthiolol	Quinoid	Heartwood	Not Stated	00.00180%	A12233
Quercetin	Flavonol	Heartwood	Not Stated		A12233
Quinone, 2-hydroxy-3-methyl-	Anthraquinone	Not Stated	Not Stated		ZZ1064
Tabebuin	Quinoid	Heartwood	Not Stated	00.00200%	A12233
Tectoquinone	Quinoid	Heartwood	Not Stated	00.01500%	A12233
Vanillic acid	Benzenoid	Stembark	Argentina		H05276
Vanillin	Benzenoid	Stembark	Argentina		H05276

Compound	Chemical Type	Plant Part	Plant Origin	Quantity	Ref #
Veratric acid	Benzenoid	Stembark	Argentina		H05276
Veratric aldehyde	Benzenoid	Stembark	Argentina		H05276
Xyloidone	Quinoid	Bark	Brazil		A03256

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