

## Presence of Compounds in Matico (*Piper aduncum*, *angustifolium*)

Compound	Chemical Type	Plant Part	Plant Origin	Quantity	Ref #
Aduncamide	Isoquinoline Alkaloid	Leaf	Papua-New Guinea	00.00254%	H15638
Aduncumene	Benzenoid	Leaf	Brazil	Not stated	PA1004
Adunctin A	Flavonoid	Leaf	Papua-New Guinea	00.0014%	H12260
Adunctin B	Flavonoid	Leaf	Papua-New Guinea	00.000309%	H12260
Adunctin C	Flavonoid	Leaf	Papua-New Guinea	00.00118%	H12260
Adunctin D	Flavonoid	Leaf	Papua-New Guinea	00.00038%	H12260
Adunctin E	Flavonoid	Leaf	Papua-New Guinea	00.00047%	H12260
Aromadendrene, allo:	Sesquiterpene	Essential Oil Essential Oil	Peru Brazil	02.8% 00.8%	J11125 PA1010
Asebogenin	Flavonoid	Leaf	Papua-New Guinea	00.00658%	H12260
Benzene, 1-2-3-trimethoxy-5-(2-propenyl):	Phenylpropanoid	Leaf	Ecuador	00.0071%	H28653
Benzene, 2-acetoxy-1-3-dimethoxy-5-(Prop-2-enyl):	Phenylpropanoid	Leaf	Ecuador	00.0043%	H28653
Benzo-1-3-dioxole,5-methoxy-6-(2-propenyl):	Phenylpropanoid	Leaf	Ecuador	00.0086%	H28653
Benzodioxole,5-methoxy-6-(2'-propenyl):	Phenylpropanoid	Essential Oil	Peru	Not stated	M17675
Benzoic acid methyl ester, 3-(6-hydroxy-3-7-dimethyl-2-7-octadienyl)-4-methoxy:	Benzenoid	Leaf	Papua-New Guinea	Not stated	H12467
Benzoic acid, 4-methoxy-3-5-bis-3'-methyl:	Benzenoid	Leaf	USA	00.36666%	J12219
Benzoic acid, 3-(2-hydroxy-3-methyl-3-butenyl)-4-hydroxy: methyl ester	Benzenoid	Leaf	Papua-New Guinea	00.00046%	H13492
Benzoic acid, 3-(3'-7'-dimethyl-octa-2'-6'-dienyl)-4-methoxy:	Benzenoid	Leaf	Brazil	Not stated	H25768
Benzoic acid, 3-(6-hydroxy-3-7-dimethyl-2-7-octadienyl)-4-methoxy: methyl ester	Benzenoid	Leaf	Papua-New Guinea	00.00040%	H13492
Benzoic acid, 3-5-bis-(3-methyl-2-butenyl)-4-methoxy:	Benzenoid	Leaf	Ecuador	00.002%	H28653

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Benzoic acid, 3'-methyl: 3-5-bis: 4-methoxy:	Benzenoid	Flower + Leaf + Stem	Honduras	Not stated	L25561
Benzoic acid, 4-hydroxy-3-(3-methyl-2-buten-1-oxo-yl-5-(3-methyl-2-butenoyl):	Benzenoid	Leaf	Papua-New Guinea	Not stated	H12467
Benzoic acid, 4-methoxy-3-5-bis(3'-methyl-but-2'-en-1'-yl):	Benzenoid	Fruit	Jamaica	00.70000%	H01991
Benzoic acid-1-(1-methyl-ethyl)-4-methyl-3-cyclohexenyl ester, 4-hydroxy-3-5-bis(3-methyl-2-butenyl):	Benzenoid	Leaf	Papua-New Guinea	Not stated	H12467
Bicyclogermacrene	Sesquiterpene	Essential Oil	Brazil	11.2%	PA1010
Bisabolol, beta:	Sesquiterpene	Essential Oil	Peru	04.5%	J11125
Borneol	Monoterpene	Essential Oil	Peru	02.4%	J11125
Borneol, iso:	Monoterpene	Essential Oil	Peru	12.8%	J11125
Borneol acetate	Monoterpene	Stem Essential Oil	Brazil Peru	< 01.0% 01.4%	H22172 J11125
Camphene	Monoterpene	Essential Oil	Peru	22.4%	J11125
Camphor	Monoterpene	Leaf Essential Oil	Brazil Peru	Traces 25.3%	T05815 J11125
Cadinene	Sesquiterpene	Essential Oil	Brazil	03.0%	PA1010
Caryophyllene	Sesquiterpene	Stem Essential Oil	Brazil Peru	17.81% 3.9%	H22172 J11125
Caryophyllene, beta	Sesquiterpene	Essential Oil	Brazil	09.1%	PA1010
Caryophyllenol I, (+):	Sesquiterpene	Leaf	Papua-New Guinea	00.00025%	H15638
Chalcone, 2'-6'-dihydroxy-4'-methoxy:	Flavonoid	Inflorescence Fruit Leaf	Brazil Brazil USA	Not stated 00.06% 00.034%	L03546 H22172 J11219
Chalcone, 2-6-dihydroxy-4-methoxy:	Flavonoid	Flower + Leaf + Stem	Honduras	Not stated	L25561
Chalcone, dihydro: 2'-4'-6'-trihydroxy-4'-methoxy:	Flavonoid	Leaf	Papua-New Guinea	00.05420%	H14310

Compound	Chemical Type	Plant Part	Plant Origin	Quantity	Ref #
Chalcone, dihydro: 2'-4-dihydroxy-3'-4'-6'-trimethoxy:	Flavonoid	Fruit	Brazil	00.005335%	H22172
Chalcone, dihydro: 2'-4-dihydroxy-4'-6'-dimethoxy:	Flavonoid	Fruit	Brazil	00.005335%	H22172
Chalcone, dihydro: 2'-6'-dihydroxy-4'-dimethoxy:	Flavonoid	Fruit Leaf Leaf Leaf Fruit	Brazil Brazil Not stated Ecuador Jamaica	00.05% Not stated Not stated 00.0057% 00.24667%	H22172 H25768 T09627 H28653 H01991
Chalcone, dihydro: 2'-hydroxy-4'-6'-dimethoxy:	Flavonoid	Fruit	Brazil	00.06%	H22172
Chromene, 2(h): 2-2-dimethyl-8-(3-methyl-but-2-enyl): 6-carboxylic acid methyl ester	Oxygen Heterocycle	Leaf	Brazil	Not stated	H25768
Chromene, 2(h)-1: 2-2-dimethyl: 6-carboxylic acid	Oxygen Heterocycle	Leaf	Brazil	Not stated	H25768
Chromene, 2(h)-1: 2-2-dimethyl: 6-carboxylic acid methyl ester	Oxygen Heterocycle	Leaf	Brazil	Not stated	H25768
Chromene, 2(h)-1: 8-hydroxy-2-2-dimethyl: 6-carboxylic acid methyl ester	Oxygen Heterocycle	Leaf	Brazil	Not stated	H25768
Chromene, methyl-2-2-dimethyl-8-(3-methyl-2-butenyl)-2(h): 6-carboxylate	Oxygen Heterocycle	Stem	Brazil	40.0%	H22172
Chromene-6-carboxylic acid,2(h):2-2-dimethoxy-8-(3-methyl- 2-butenyl):	Oxygen Heterocycle	Leaf Leaf+stem+ flower	USA Honduras	00.01783% Not stated	J11219 L25561
Chromene-6-carboxylic acid,2(h): 2-2-dimethyl: methyl ester	Oxygen Heterocycle	Leaf	Papua-New Guinea	00.00054%	H13492
Chromene-6-carboxylic Acid,2(h): 2-2-dimethyl-8-(3-methyl- 2-butenyl):	Oxygen Heterocycle	Leaf	Papua-New Guinea	00.00069%	H13492
Chromene-6-carboxylic Acid,2(h): 8-hydroxy-2-2-dimethyl: methyl ester	Oxygen Heterocycle	Leaf	Papua-New Guinea	00.00131%	H13492
Cineol, 1-8	Monoterpene	Stem	Brazil	< 01.0%	H22172
Copaene	Sesquiterpene	Stem	Brazil	03.01%	H22172
Copaene, alpha	Sesquiterpene	Essential Oil	Brazil	00.5%	PA1010

Compound	Chemical Type	Plant Part	Plant Origin	Quantity	Ref #
Cubebol, (-)	Sesquiterpene	Leaf	Papua-New Guinea	00.00098%	H15638
Cubebene, alpha	Sesquiterpene	Essential Oil	Peru	01.2%	J11125
Cymene, meta	Monoterpene	Stem	Brazil	07.86%	H22172
Dill Apiol	Phenylpropanoid	Leaf Leaf Essential Oil Essential Oil Essential Oil Leaf Leaf	Ecuador Ecuador Panama Colombia Fiji Brazil Brazil	00.14% 00.01% 90% Not stated 58.0% 74.5% 88.4%	H28653 H28653 L07890 M11727 T01389 T05815 T05815
Dill Apiol, pseudo	Phenylpropanoid	Fruit	Jamaica	01.030%	H01991
Elemene, beta	Sesquiterpene	Essential Oil	Brazil	01.0%	PA1010
Eremophilene	Sesquiterpene	Essential Oil	Peru	01.1%	J11125
Eupatoriochromene	Oxygen Heterocycle	Stem	Brazil	17.81%	H22172
Flavone, dihydro: 7-hydroxy-5-methoxy:	Flavanone	Fruit	Brazil	00.04333%	H22172
Geraniol acetate	Monoterpene	Stem Essential Oil	Brazil Brazil	02.05% 01.5%	H22172 PA1010
Germacrene B	Sesquiterpene	Essential Oil	Brazil	00.9%	PA1010
Germacrene D	Sesquiterpene	Essential Oil	Brazil	04.2%	PA1010
Globulol	Sesquiterpene	Essential Oil	Brazil	00.5%	PA1010
Gurjunene, beta	Sesquiterpene	Essential Oil	Brazil	00.4%	PA1010
Humulene, alpha	Sesquiterpene	Essential Oil	Brazil	05.5%	PA1010
Limonene	Monoterpene	Essential Oil	Peru	02.5%	J11125
Linalool	Monoterpene	Essential Oil Essential Oil	Peru Brazil	02.1% 31.7%	J11125 PA1010
Lindaretin, methyl: (-):	Flavanoid	Leaf	Papua-New Guinea	00.00750%	H12260

Compound	Chemical Type	Plant Part	Plant Origin	Quantity	Ref #
Lutein	Carotenoid	Leaf	Papua-New Guinea	00.00262%	H14310
Murolene, alpha	Sesquiterpene	Essential Oil	Brazil	00.5%	PA1010
Myrcene	Monoterpene	Stem Essential Oil	Brazil Peru	< 01.0% 00.7%	H22172 J11125
Myristicin	Phenylpropanoid	Leaf Leaf Essential Oil Essential Oil	Ecuador Ecuador Colombia Peru	00.0017% 00.0029% Not stated 03.9%	H28653 H28653 M11727 J11125
Nerol acetate	Monoterpene	Stem	Brazil	< 01.0%	H22172
Nerolidol	Sesquiterpene	Essential Oil	Brazil	10.4%	PA1010
Nervogenic acid	Benzenoid	Leaf Flower + Leaf + Stem	USA Honduras	00.029% Not stated	J11219 L25561
Ocimene, cis	Monoterpene	Essential Oil	Brazil	03.4%	PA1010
Ocimene, trans	Monoterpene	Essential Oil	Brazil	05.0%	PA1010
Octa-trans-2-7-dienoic acid,6(s)-hydroxy-2-6-dimethyl: methyl ester	Monoterpene	Leaf	Papua-New Guinea	00.00098%	H13492
Phellandrene, alpha	Monoterpene	Stem	Brazil	< 01.0%	H22172
Phenol, 2-6-dimethoxy-4-(2-propenyl):	Phenylpropanoid	Leaf	Ecuador	00.0021%	H28653
Phytol, trans:	Diterpene	Leaf	Papua-New Guinea	00.00109%	H12260
Pinene, alpha:	Monoterpene	Essential Oil Essential Oil	Peru Brazil	04.8% 01.7%	J11125 PA1010
Pinene, beta:	Monoterpene	Stem Essential Oil	Brazil Brazil	< 01.0% 02.1%	H22172 PA1010
Pinostrobin	Flavanone	Fruit	Jamaica	01.54000%	H01991
Piperaduncin A	Flavonoid	Leaf	Papua-New Guinea	00.00092%	H14310
Piperaduncin B	Flavonoid	Leaf	Papua-New Guinea	00.00033%	H14310

Compound	Chemical Type	Plant Part	Plant Origin	Quantity	Ref #
Piperaduncin C	Flavonoid	Leaf	Papua-New Guinea	00.00032%	H14310
Piperitone	Monoterpene	Leaf Leaf Essential Oil Essential Oil	Papua-New Guinea Ecuador Colombia Fiji	Not stated Not stated Not stated 04.0%	H13492 H28653 M11727 T01389
Safrole	Phenylpropanoid	Leaf Leaf Essential Oil Essential Oil	Ecuador Ecuador Brazil Brazil	00.0017% 00.0067% 00.10% 3.24%	H28653 H28653 PA1008 PA1008
Sakuranetin, (DI):	Flavanone	Leaf	Papua-New Guinea	00.00054%	H14310
Seichelene	Sesquiterpene	Essential Oil	Brazil	01.1%	PA1010
Selinene, beta:	Sesquiterpene	Essential Oil	Peru	02.2%	J11125
Sitosterol, beta:	Steroid	Stem	Brazil Ecuador Not stated	00.001% 00.001% Not stated	H22172 H28653 T09627
Spathulenol	Sesquiterpene	Leaf Leaf Essential Oil	Papua-New Guinea Papua-New Guinea Brazil	Not stated 00.00045% 00.9%	H12467 H15638 PA1010
Stigmasterol	Steroid	Leaf Stem	Papua-New Guinea Brazil	Not stated 00.001%	H13492 H22172
Tectochrysin	Flavone	Stem	Brazil	00.00114%	H22172
Terpinene, alpha:	Monoterpene	Stem	Brazil	< 01.0%	H22172
Terpineol acetate	Monoterpene	Essential Oil	Peru	01.9%	J11125
Thymol	Monoterpene	Essential Oil	Peru	02.9%	J11125
Tocopherol, alpha:	Oxygen Heterocycle	Leaf	Papua-New Guinea	00.00225%	H12260
Undecanone	Sesquiterpene	Essential Oil	Brazil	00.4%	PA1010
Verbascoside	Phenylpropanoid	Entire Plant	Japan	Not stated	L12154

Compound	Chemical Type	Plant Part	Plant Origin	Quantity	Ref #
Viridiflorol	Sesquiterpene	Leaf	Papua-New Guinea	Not stated	H12467
Viridiflorol, (+):	Sesquiterpene	Leaf	Papua-New Guinea	00.00380%	H15638

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