

Presence of Compounds in Amargo (*Quassia amara*)

Compound	Chemical type	Plant Part	Plant Origin	Quantity	Ref #
Calcium tartrate		Root	Not Stated	Not stated	ZZ1095
Canthin-2-6-dione, 3-methyl:	Indole alkaloid	Wood	Not Stated	Not stated	M14762
Canthin-2-6-dione, 5-hydroxy-4-methoxy-3-methyl:	Indole alkaloid	Wood	Not Stated	Not stated	H06740
Canthin-5-6-dione, 3-methyl:	Indole alkaloid	Wood	Not Stated	Not stated	H06740
Canthin-6-one, 2-methoxy:	Indole alkaloid	Stemwood Stemwood	Nigeria Nigeria	Not stated Not stated	K20214 J13814
Canthin-6-one, 5-hydroxy-4-methoxy:	Indole alkaloid	Wood	Not Stated	Not stated	H06740
Canthin-6-one, 5-hydroxy-4-methoxy:3-n-oxide	Indole alkaloid	Wood	Not Stated	Not stated	H06740
Canthin-6-one, 5-hydroxy-4-methoxy:	Indole alkaloid	Wood	Not Stated	Not stated	H03550
Carboline,beta: 1-methoxy-carbonyl:	Indole alkaloid	Wood	Not Stated	Not stated	M14762
Carboline,beta: 4-8-dimethoxy: 1-vinyl:	Indole alkaloid	Wood	Not Stated	Not stated	M14762
Canthin-6-one, 2-methoxy:	Indole alkaloid	Stemwood	Nigeria	00.00480%	H11809
Gallic acid		Root	Not Stated	Not stated	ZZ1095
Gentisic acid	Benzenoid	Leaf	Trinidad	Not stated	A06190
Malic acid		Root	Not Stated	Not stated	ZZ1095
Methyl-d-glucoside	Alkane to c4	Trunkwood	Not Stated	Not stated	H11904
Nigakilactone a	Triterpene	Wood	Not Stated	Not stated	H21039
Parain	Triterpene	Trunkwood	Not Stated	Not stated	H11904
Parain, 11-acetyl:	Triterpene	Trunkwood	Not Stated	Not stated	H11904
Parain, 11-alpha-acetyl:	Triterpene	Trunkwood	Not Stated	Not stated	H11904
Parain, 13-18-dehydro: 12-alpha-hydroxy:	Triterpene	Trunkwood	Not Stated	Not stated	H11904

Parain, iso:	Triterpene	Trunkwood	Not Stated	Not stated	H11904
Paraine	Triterpene	Wood	Not Stated	00.01200%	H03550
Paraine, iso:	Triterpene	Wood	Not Stated	00.00900%	H03550
Potassium-acetate	Mineral	Wood	Not Stated	Not stated	ZZ1095
Quassia amara substance	Structure unknown	Wood	Jamaica	00.015%	A02521
Quassialactol	Triterpene	Wood	Not Stated	Not stated	H21039
Quassimarin	Triterpene	Wood Sap Sap	Not Stated Costa Rica Costa Rica	Not stated Not stated 00.003%	N02682 K00622 K00622
Quassin	Triterpene	Wood Suspension culture Leaf Trunkwood Wood Stemwood Stemwood Wood Wood Callus tissue Wood Wood Stemwood Wood Wood Leaf Petals Trunkwood Petals Twig bark Twig Wood Endosperm Seedcoat	Not Stated Not Stated England(cult) Not Stated Not Stated Nigeria Nigeria Surinam Not Stated Not Stated Not Stated Not Stated Nigeria Not Stated England(cult) England(cult) Not Stated England(cult) England(cult) England(cult) England(cult) England(cult) England(cult) England(cult)	Not stated Not stated Not stated Not stated Not stated Not stated Not stated 00.18% Not stated Not stated Not stated Not stated 00.0062% 00.03300% Not stated Not stated Not stated Not stated Not stated Not stated Not stated Not stated Not stated Not stated	A02658 K12094 M12812 N12644 N19679 K20214 J13814 N01125 J10154 K12094 A06088 H21039 H11809 H03550 A02592 M12812 M12812 H11904 M12812 M12812 M12812 M12812 M12812 M12812
Quassin, 1-alpha-o-methyl:	Triterpene	Trunkwood	Not Stated	Not stated	H11904

Quassin, 12-hydroxy:	Triterpene	Wood	Not Stated	Not stated	N19679
Quassin, 14-15-dehydro:	Triterpene	Wood	Not Stated	Not stated	N19679
Quassin, 18-hydroxy:	Triterpene	Wood Leaf Wood Wood Wood Leaf Petals Petals Twig bark Twig Wood Endosperm Seedcoat	Italy England(cult) Not Stated Not Stated Not Stated England(cult) England(cult) England(cult) England(cult) England(cult) England(cult) England(cult) England(cult)	Not stated Not stated 4.0% Not stated Not stated Not stated Not stated Not stated Not stated Not stated Not stated Not stated Not stated	A02539 M12812 A05019 N19679 H21039 M12812 M12812 M12812 M12812 M12812 M12812 M12812 M12812 M12812
Quassin, iso:	Triterpene	Wood Wood Wood Wood Wood Leaf Trunkwood Wood Wood Wood Wood	Not Stated Jamaica Not Stated Not Stated Not Stated England(cult) Not Stated Surinam Not Stated Not Stated Not Stated	Not stated Not stated Not stated Not stated Not stated Not stated Not stated 00.61% Not stated Not stated Not stated 00.01800%	A05019 A02521 A06088 A02658 A05019 M12812 N12644 N01125 A02592 H21039 H03550
Quassin, neo: 11-dihydro-12-nor:	Triterpene	Wood	Not Stated	00.00900%	H03550
Quassin, neo: 12-nor: 11-dihydro:	Triterpene	Trunkwood	Not Stated	Not stated	H11904
Quassin, neo: 16-alpha-o-methyl:	Triterpene	Trunkwood	Not Stated	Not stated	H11904
Quassin, neo: 16-alpha-o-methyl: 11-alpha-o-(beta-d-glucopyranoside)	Triterpene	Trunkwood	Not Stated	Not stated	H11904
Quassin, neo: 16-alpha:	Triterpene	Wood	Not Stated	Not stated	N19679
Quassin, neo: 16-beta:	Triterpene	Wood	Not Stated	Not stated	N19679

Quassin, neo:	Triterpene	Leaf Trunkwood Petals Petals Twig bark Twig Wood Endosperm Seedcoat	England(cult) Not Stated England(cult) England(cult) England(cult) England(cult) England(cult) England(cult) England(cult)	Not stated Not stated Not stated Not stated Not stated Not stated Not stated Not stated	M12812 H11904 M12812 M12812 M12812 M12812 M12812 M12812 M12812
Quassinol	Triterpene	Wood	Not Stated	Not stated	A12114
Quassol	Triterpene	Wood	Not Stated	Not stated	ZZ1095
Simalikalactone D	Triterpene	Sap Sap	Costa Rica Costa Rica	Not stated 00.005%	K00622 K00622
Sitostenone, beta:	Steroid	Wood	Not Stated	Not stated	A02592
Sitosterol, beta:	Steroid	Wood	Not Stated	Not stated	A02592
Zr	Inorganic	Wood	Jamaica	Not stated	A00713

Other Phytochemical Screening:

Alkaloids Present Leaf W01226

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