

Presence of Compounds in Avenca (*Adiantum capillus-veneris*)

Compound	Chemical type	Plant Part	Plant Origin	Quantity	Ref #
Adiantone	Triterpene	Fron	France	Not Stated	A11674
Adiantone, 21-hydroxy	Triterpene	Not Stated	Italy	Not Stated	W03604
Adiantone, iso	Triterpene	Entire Plant	India	Not Stated	T09075
Adiantoxide		Plant	Not Stated	Not Stated	ZZ1095
Astragalin	Flavonoid	Not Stated Not Stated Fron	Japan Italy Not Stated	Not Stated Not Stated Not Stated	W03577 N15415 T07056
Caffeic acid 1-galactose-6-sulfate	Phenylpropanoid	Fron	Italy	00.05000%	N13229
Caffeic acid 1-glucose-3-sulfate	Phenylpropanoid	Fron	Italy	Not Stated	N13229
Carbohydrates(soluble)	Carbohydrate	Shoots	Taiwan	Not Stated	T02583
Carotene, alpha	Carotenoid	Leaf	France	Not Stated	M11195
Carotene, beta	Carotenoid	Leaf Leaf	France Netherlands	Not Stated Not Stated	M11195 M11195
Cinnamic acid, hydroxy	Phenylpropanoid	Leaf	Not Stated	Not Stated	ZZ1095
Coumaric acid, para: 1-glucose-2-sulfate	Phenylpropanoid	Fron	Italy	00.03000%	N13229
Coumaric acid, para: 1-glucose-6-sulfate	Phenylpropanoid	Fron	Italy	Not Stated	N13229
Diplopterol	Triterpene	Fron	Egypt	Not Stated	K26888
Fern-9(11)-en-12beta-ol	Triterpene	Not Stated	Japan	Not Stated	AG1001
Fernene, 7	Triterpene	Leaf	Not Stated	Not Stated	ZZ1095
Fernadiene, 7,9-(11)	Triterpene	Leaf	Not Stated	Not Stated	ZZ1095
Filicane, 3-alpha-4-alpha-epoxy	Triterpene	Fron	Italy	Not Stated	W03784
Filican-3-one, 4-alpha-hydroxy	Triterpene	Not Stated	Japan	Not Stated	AG1001

Compound	Chemical type	Plant Part	Plant Origin	Quantity	Ref #
Hopanone, 21-beta-hydroxy-29nor-22	Triterpene	Plant	Not Stated	Not Stated	ZZ1095
Kaempferol	Flavonoid	Leaf	France	Not Stated	W04211
Kaempferol-3-o-beta-d-glucuronide	Flavonoid	Fron Fron	Japan Not Stated	Not Stated Not Stated	W03577 T07056
Kaempferol-3-o-galactoside sulfate	Flavonoid	Fron	Italy	Not Stated	N15415
Kaempferol-3-o-rutinoside sulfate	Flavonoid	Fron	Italy	Not Stated	N15415
Kaempferol-3-rutinoside	Flavonoid	Fron	Not Stated	Not Stated	T07056
Kaempferol-3-sulfate	Flavonoid	Fron	Italy	00.01500%	N13058
Kaempferol-3,7-diglucoside	Flavonoid	Plant	Not Stated	Not Stated	ZZ1095
Lutein epoxide	Carotenoid	Leaf Leaf	France Netherlands	Not Stated Not Stated	M11195 M11195
Mutatoxanthin	Carotenoid	Leaf	France	Not Stated	M11195
Naringin	Flavonoid	Fron	Not Stated	Not Stated	T07056
Neoxanthin	Carotenoid	Leaf	France	Not Stated	M11195
Nicotiflorin	Flavonoid	Fron Fron	Italy Japan	Not Stated Not Stated	N15415 W03577
Olean-18-en-3-one	Oleanane	Not Stated	Japan	Not Stated	AG1001
Olean-12-en-3-one	Oleanane	Not Stated	Japan	Not Stated	AG1001
Populnin	Flavonoid	Fron	Not Stated	Not Stated	T07056
Procyanidin	Flavonoid	Fron	Not Stated	Not Stated	T07056
Prodelphinidin	Flavonoid	Fron	Not Stated	Not Stated	T07056
Quercetin-3-o-(6"-malonyl)-d-galactoside	Flavonoid	Fron Fron	Italy Italy	Not Stated Not Stated	M15326 N13060
Quercetin-3-o-beta-d-glucuronide	Flavonoid	Fron	Not Stated	Not Stated	T07056

Compound	Chemical type	Plant Part	Plant Origin	Quantity	Ref #
Quercitrin, iso	Flavonoid	Fron Fron Fron	Japan Italy Not Stated	Not Stated Not Stated Not Stated	W03577 N15415 T07056
Querciturone	Flavonoid	Fron	Japan	Not Stated	W03577
Quinic acid	Alicyclic	Fron Fron	Japan Japan	00.898% 898 mcg/gm	W03870 W04119
Rhodoxanthin	Carotenoid	Leaf Leaf	France Netherlands	Not Stated Not Stated	M11195 M11195
Rutin	Flavonoid	Fron Fron Fron	Italy Japan Not Stated	Not Stated Not Stated Not Stated	N15415 W03577 T07056
Shikimic acid	Alicyclic	Fron Fron	Japan Japan	00.017% 17 mcg/gm	W03870 W04119
Violaxanthin	Carotenoid	Leaf Leaf	France Netherlands	Not Stated Not Stated	M11195 M11195
Zeaxanthin	Carotenoid	Leaf Leaf	France Netherlands	Not Stated Not Stated	M11195 M11195

OTHER PHYTOCHEMICAL SCREENING:

ALKALOIDS ABSENT	ENTIRE PLANT	M15415
FLAVONOIDS ABSENT	ENTIRE PLANT	M15415
SAPONINS(UNSPECIFIED TYPE OR HEMOLYTIC) PRESENT	ENTIRE PLANT	M15415
TANNINS(FERRIC CHLORIDE TEST) PRESENT	ENTIRE PLANT	M15415

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