

Presence of Compounds in Cat's claw (*Uncaria tomentosa*)

Compound	Chemical Type	Plant Part	Origin	Quantity	Ref #
Ajmalicine, iso	Indole alkaloid	Leaf	Peru	00.031%	J10803
Akuammigine	Indole alkaloid	Leaf Root	Peru Peru	00.92% 00.03%	J10803 J10803
Campesterol	Steroid	Bark	Peru	Not stated	M25334
Catechin, epi: (-):	Flavonoid	Bark	Peru	00.0025%	J13160
Chlorogenic acid	Phenylpropanoid	Bark	Peru	Not stated	K29900
Cinchonain I-A	Flavonoid	Bark	Peru	00.0025%	J13160
Cinchonain I-B	Flavonoid	Bark	Peru	00.0065%	J13160
Corynantheine, dihydro:	Indole alkaloid	Leaf Root	Peru Peru	00.08% 00.071%	J10803 J10803
Corynoxine	Indole alkaloid	Leaf Root	Peru Peru	00.019% 00.051%	J10803 J10803
Corynoxine, iso:	Indole alkaloid	Vine Leaf Root	Peru Peru Peru	00.0018% 00.06% 00.095%	L17978 J10803 J10803
Daucosterol	Steroid	Bark	Peru	00.006%	H28081
Epicatechin	Polyphenolic	Not stated	Peru	Not stated	AL1024
Harman	Indole alkaloid	Vine	Peru	00.0008%	L17978
Hirsuteine	Indole alkaloid	Leaf Root	Peru Peru	00.014% 00.019%	J10803 J10803
Hirsutine	Indole alkaloid	Leaf Root	Peru Peru	00.033% 00.08%	J10803 J10803
Loganic acid, 7-deoxy:	Monoterpene	Bark	Peru	00.0032%	H28081
Lyaloside	Indole alkaloid	Stem	Peru	00.0007%	H26768

Compound	Chemical Type	Plant Part	Origin	Quantity	Ref #
Mitraphylline	Indole alkaloid	Vine	Peru	00.014%	L17978
		Rootbark	Peru	Not stated	K08663
		Rootbark	Peru	Not stated	K09265
		Rootbark	Peru	Not stated	K09773
		Root	Peru	Not stated	K24754
		Stembark	Peru	Not stated	L15562
		Stembark	Peru	Not stated	L03706
		Not stated	Peru	Not stated	L08117
		Rootbark	Peru	Not stated	K16523
		Rootbark	Peru	Not stated	K17909
		Bark	Peru	00.02%	H28081
		Leaf	Peru	01.09%	J10803
		Root	Peru	00.5%	J10803
		Twig bark	Peru	00.05%	J10803
		Stembark	Peru	00.003%	J10803
			00.00067%	M12822	
Mitraphylline, iso	Indole alkaloid	Rootbark	Peru	Not stated	K17909
		Rootbark	Peru	Not stated	K08663
		Rootbark	Peru	Not stated	K09265
		Rootbark	Peru	Not stated	K09773
		Root	Peru	Not stated	K24754
		Stembark	Peru	Not stated	L15562
		Stembark	Peru	Not stated	L03706
		Not stated	Peru	Not stated	L08117
		Bark	Peru	00.0072%	H28081
		Vine	Peru	00.074%	L17978
		Rootbark	Peru	Not stated	K16523
		Leaf	Peru	02.5%	J10803
		Root	Peru	00.33%	J10803
		Root	Peru	00.002%	J10803
		Vine	Peru	00.00129%	M12822
Not stated	Peru	Not stated	AL1024		
Oleanolic acid	Triterpene	Rootbark	Not stated	00.01%	M27076
		Rootbark	Not stated	00.015%	M27076
Palmitoleic acid	Lipid	Seed Oil	Not stated	Not stated	AL1010A

Compound	Chemical Type	Plant Part	Origin	Quantity	Ref #
Procyanidin A1	Procyanidin	Not stated	Peru	Not stated	AL1024
Procyanidin B1	Procyanidin	Not stated	Peru	Not stated	AL1024
Procyanidin B2	Procyanidin	Not stated	Peru	Not stated	AL1024
Procyanidin B4	Procyanidin	Not stated	Peru	Not stated	AL1024
Pteropodine	Indole alkaloid	Rootbark Rootbark Rootbark Rootbark Root Leaf Rootbark Stembark Stembark Not stated Vine Vine Root Twig bark Root	Peru Peru Peru Peru Peru Peru Peru Peru Peru Peru Peru Peru Peru Peru Peru Peru Peru	Not stated Not stated Not stated Not stated 00.48% Not stated Not stated Not stated Not stated Not stated Not stated 00.078% 00.56% 00.3% 00.005% 00.00032%	K08663 K09265 K09773 K16523 K24754 J10803 K17909 L15562 L03706 L08117 L17978 J10803 J10803 J10803 M12822
Pteropodine, iso	Indole alkaloid	Not stated Not stated	Japan Peru	Not stated Not stated	AL1002 AL1024
Quinovic acid,27-beta-d-glucopyranosyl: 3-o-alpha-rhamnopyranosyl (1-3)-glucopyranosyl:	Triterpene	Rootbark	Peru	00.001%	H21551
Quinovic acid,27-o-beta-d-glucopyranoside	Triterpene	Rootbark	Peru	00.00087%	H21551
Quinovic acid-(28-1)-beta-d-glucosyl l-beta-d-glucosyl ester	Triterpene	Bark	Peru	Not stated	H05466
Quinovic acid-3-beta-o-(beta-d-fucosyl)-(28-1)-beta-d-glucosyl ester	Triterpene	Bark	Peru	Not stated	H05466
Quinovic acid-3-beta-o-(beta-d-glucopyranosyl (1-3)beta d-fucopyranosyl) (27-1)-beta-d-glucopyranosyl ester	Triterpene	Bark	Peru	00.00200%	M16037

Compound	Chemical Type	Plant Part	Origin	Quantity	Ref #
Quinovic acid-3-beta-o-(beta-d-glucopyranosyl(1-3) beta-d-fucopyranosyl)-(28-1)-beta-d-glucopyranosyl ester	Triterpene	Bark	Peru	00.00500%	M16037
Quinovic acid-3-beta-o-(beta-d-glucopyranosyl(1-3) beta-d-fucopyranoside)	Triterpene	Bark	Peru	00.00460%	M16037
Quinovic acid-3-beta-o-(beta-d-glucosyl-(1-3) beta-d-fucoside)	Triterpene	Bark	Peru	Not stated	H05466
Quinovic acid-3-beta-o-(beta-d-glucosyl-(1-3)- beta-d-fucosyl)-(27-1)-beta-d-glucosyl ester	Triterpene	Bark	Peru	Not stated	H05466
Quinovic acid-3-beta-o-(beta-d-glucosyl-(1-3)-beta-d-fucosyl)-(28-1)-beta-d-glucosyl ester	Triterpene	Bark	Peru	Not stated	H05466
Quinovic acid-3-beta-o-(beta-d-quinovosyl)-(28-1)-beta-d-glucosyl ester	Triterpene	Bark	Peru	Not stated	H05466
Quinovic acid-3-beta-o-alpha-l-rhamnopyranoside	Triterpene	Rootbark	Peru	00.00171%	H21551
Quinovic acid-3-beta-o-alpha-l-rhamnopyranosyl(1-3)-glucopyranosyl	Triterpene	Rootbark	Peru	00.00175%	H21551
Quinovic acid-3-beta-o-beta-d-fucosyl-27-beta-d-glucosyl ester	Triterpene	Rootbark	Not stated	00.016%	M27076
Quinovic acid-3-beta-o-beta-d-quinovopyranosyl(1-3)-galactopyranosyl	Triterpene	Rootbark	Peru	00.0007%	H21551
Quinovic acid-3-beta-o-beta-d-quinovopyranosyl(1-3)-glucopyranosyl	Triterpene	Rootbark	Peru	00.0007%	H21551
Quinovic acid-3-beta-o-beta-d-quinovosyl-27-beta-d-glucosyl ester	Triterpene	Rootbark	Not stated	00.015%	M27076
Quinovic acid-3-beta-o-beta-d-quinovopyranoside	Triterpene	Not stated	Peru	Not stated	AL1025
Quinovic acid 3-beta-o-beta-d-fucopyranoside	Triterpene	Not stated	Peru	Not stated	AL1025

Compound	Chemical Type	Plant Part	Origin	Quantity	Ref #
Rhynchophylline	Indole alkaloid	Vine	Peru	00.0096%	L17978
		Root	Peru	Not stated	K24754
		Rootbark	Peru	Not stated	K16523
		Leaf	Peru	00.77%	J10803
		Root	Peru	01.03%	J10803
		Root	Peru	00.00233%	M12822
Rhynchophylline, iso	Indole alkaloid	Root	Peru	Not stated	K24754
		Vine	Peru	00.103%	L17978
		Bark	Peru	00.004%	H28081
		Rootbark	Peru	Not stated	K16523
		Leaf	Peru	02.22%	J10803
		Root	Peru	02.16%	J10803
		Root	Peru	00.00455%	M12822
Rutin	Flavonol	Bark	Peru	Not stated	K29900
Sitosterol, beta:	Steroid	Bark	Peru	Not stated	M25334
Speciophylline	Indole alkaloid	Stembark	Peru	Not stated	L15562
		Stembark	Peru	Not stated	L03706
		Not stated	Peru	Not stated	L08117
		Rootbark	Peru	Not stated	K16523
		Leaf	Peru	01.08%	J10803
		Rootbark	Peru	Not stated	K09265
		Rootbark	Peru	Not stated	K09773
		Rootbark	Peru	Not stated	K08663
		Rootbark	Peru	Not stated	K17909
		Root	Peru	00.66%	J10803
		Twig bark	Peru	00.16%	J10803
Stembark	Peru	00.008%	J10803		
Stigmasterol	Steroid	Bark	Peru	Not stated	M25334
Strictosidine, 3-4-dehydro:5-carboxy	Indole alkaloid	Stem	Peru	00.0018%	H26768
		Not stated	Peru	Not stated	AL1001
Strictosidine, 5(s)-carboxy	Indole alkaloid	Stem	Peru	00.0014%	H26768
Strictosidine, 5-alpha-carboxy	Indole alkaloid	Rootbark	Not stated	00.0255%	M27076

Compound	Chemical Type	Plant Part	Origin	Quantity	Ref #
Uncarine	Indole alkaloid	Stembark	Peru	Not stated	L03706
Uncarine A	Indole alkaloid	Bark	Peru	00.009%	H28081
Uncarine D	Indole alkaloid	Bark	Peru	00.0032%	H28081
Uncarine E	Indole alkaloid	Rootbark	Peru	Not stated	K17909
		Rootbark	Peru	Not stated	K08663
		Rootbark	Peru	Not stated	K09265
		Rootbark	Peru	Not stated	K09773
		Rootbark	Peru	Not stated	K16523
		Root	Peru	Not stated	K24754
		Bark	Peru	00.02%	H28081
		Leaf	Peru	00.31%	J10803
		Stembark	Peru	Not stated	L15562
		Stembark	Peru	Not stated	L03706
		Not stated	Peru	Not stated	L08117
		Vine	Peru	00.245%	L17978
		Vine	Peru	00.28%	J10803
		Root	Peru	00.063%	J10803
		Twig bark	Peru	00.006%	J10803
		Root	Peru	00.00193%	M12822
Uncarine F	Indole alkaloid	Not stated	Peru	Not stated	L08117
		Stembark	Peru	Not stated	L15562
		Rootbark	Peru	Not stated	K16523
		Rootbark	Peru	Not stated	K17909
		Leaf	Peru	00.28%	J10803
		Rootbark	Peru	Not stated	K08663
		Vine	Peru	00.0075%	L17978
		Rootbark	Peru	Not stated	K09265
		Rootbark	Peru	Not stated	K09773
		Root	Peru	00.31%	J10803
		Twig bark	Peru	00.063%	J10803
		Stembark	Peru	00.003%	J10803
Urs-12-en-23-al-28-oic acid,3-beta-19-alpha-dihydroxy-6-oxo:	Triterpene	Stembark	Peru	00.00092%	H25490
		Stembark	Peru	00.001005%	H25490

Compound	Chemical Type	Plant Part	Origin	Quantity	Ref #
Urs-12-en-23-al-28-oic acid,3-beta-	Triterpene	Stembark	Peru	00.00058%	H25490
Urs-12-en-27-28-dioic acid,3-beta-hydroxy-3-oxo:	Triterpene	Rootbark	Peru	00.00055	H21551
Urs-12-en-28-oic acid,23-nor: 24-exomethylene- 3-beta-6-beta-19-alpha-trihydroxy:	Triterpene	Bark	Peru	00.00334%	M23460
Urs-12-en-28-oic acid,3-beta-6-beta-19-alpha-23-tetrahydroxy:	Triterpene	Rootbark	Peru	00.0012%	H21551
Urs-12-en-28-oic acid,3-beta-6-beta-19-alpha-trihydroxy-23-oxo:	Triterpene	Bark	Peru	00.00574%	M23460
Urs-12-en-28-oic acid,3-beta-6-beta-19-alpha-trihydroxy:	Triterpene	Bark Stembark Rootbark Rootbark	Peru Peru Not stated Not stated	00.0065% 00.01270% 00.01965% 00.025%	M23460 H25490 M27076 M27076
Urs-12-en-28-oic acid,6-beta-19-alpha-dihydroxy-3-oxo:	Triterpene	Rootbark	Peru	00.00155	H21551
Urs-12-ene-23-28-dioic acid,3-beta-6-beta-19-alpha-trihydroxy: methyl ester	Triterpene	Rootbark	Not stated	00.0008%	M27076
Ursa-12-19(29)-dien-27-28-dioic acid,16-alpha-hydroxy-3-beta-methoxy	Triterpene	Rootbark	Peru	00.0008%	H21551
Vaccenic acid, cis	Lipid	Seed Oil	Not stated	Not stated	AL1010A

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