Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Uncaria tomentosa

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
3	ISOMITRAPHYLLINE	Leaf		25000.0		--
15	ISORHYNCHOPHYLLINE	Leaf		22200.0		--
15	ISORHYNCHOPHYLLINE	Root	45.5	21600.0		--
12	MITRAPHYLLINE	Leaf		10900.0		--
1	SPECIOPHYLLINE	Leaf		10800.0		--
23	RHYNCHOPHYLLINE	Root	23.3	10300.0		--
3	AKUAMMIGINE	Leaf		9200.0		--
23	RHYNCHOPHYLLINE	Leaf		7700.0		--
1	SPECIOPHYLLINE	Root		6600.0		--
3	PTEROPODINE	Root		5600.0		--
12	MITRAPHYLLINE	Root		5000.0		--
3	PTEROPODINE	Leaf		4800.0		--
3	ISOMITRAPHYLLINE	Root		3300.0		--
1	UNCARINE-F	Root		3100.0		--
3	ISOPTEROPODINE	Leaf		3100.0		--
3	PTEROPODINE	Stem Bark	50.0	3000.0		--
1	UNCARINE-F	Leaf		2800.0		--
3	ISOPTEROPODINE	Root	19.3	2800.0		--
1	SPECIOPHYLLINE	Stem Bark	80.0	1600.0		--
1	ISOCORYNOXEINE	Root		950.0		--
7	DIHYDROCORYNANTHEINE	Leaf		800.0		--
8	HIRSUTINE	Root		800.0		--
7	DIHYDROCORYNANTHEINE	Root		710.0		--
1	UNCARINE-F	Stem Bark	30.0	630.0		--
3	ISOPTEROPODINE	Stem Bark	60.0	630.0		--
1	ISOCORYNOXEINE	Leaf		600.0		--
1	CORYNOXEINE	Root		510.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
12	MITRAPHYLLINE	Stem Bark	30.0	500.0		--
8	HIRSUTINE	Leaf		330.0		--
0	ISOAJMALICINE	Leaf		310.0		--
3	AKUAMMIGINE	Root		300.0		--
0	5ALPHA-CARBOXYSTRICTOSIDINE	Root Bark		255.0		--
0	3BETA,6BETA,19ALPHA-TRIHYDROXY-URS-12-EN-28-OIC-ACID	Root Bark	197.0	250.0		--
3	HIRSUTEINE	Root		190.0		--
1	CORYNOXEINE	Leaf		190.0		--
0	QUINOVIC ACID-3-BETA-O-BETA-D-FUCOSYL-27-BETA-D-GLUCOSYL ESTER	Root Bark		160.0		--
0	QUINOVIC ACID-3-BETA-O-BETA-D-QUINOVOSYL-27-BETA-D-GLUCOSYL ESTER	Root Bark		150.0		--
64	OLEANOLIC-ACID	Root Bark	100.0	150.0	1.0	--
3	HIRSUTEINE	Leaf		140.0		--
0	CINCHONAIN-1-B	Bark		65.0		--
0	3BETA,6BETA,19ALPHA-TRIHYDROXY-URS-12-EN-28-OIC-ACID	Bark		65.0		--
0	3-BETA-6-BETA-19-ALPHA-TRIHYDROXY-23-OXO-URS-12-EN-28-OIC ACID	Bark		57.4		--
0	QUINOVIC ACID-3-BETA-O-(BETA-D-GLUCOPYRANOSYL-(1-3)-BETA-D-FUCOPYRANOSY)-(28-1)-BETA-D-GLUCOPYRANOSYL ESTER	Bark		50.0		--
0	QUINOVIC ACID-3-BETA-O-(BETA-D-GLUCOPYRANOSYL-(1-3)-BETA-D-FUCOPYRANOSIDE)	Bark		46.0		--
0	CINCHONAIN-1-A	Bark		25.0		--
38	(-)-EPICATECHIN	Bark		25.0	1.0	--
3	ISOMITRAPHYLLINE	Stem Bark		20.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	QUINOVIC-ACID-3BETA-O-(BETA-D-GLUCOPYRANOSYL-(1->3)BETA-D-FUCOPYRANOSYL-(27->1)BETA-D-GLUCOPYRANOSYL-ESTER	Bark		20.0		--
0	QUINOVIC-ACID-3-BETA-O-ALPHA-L-RHAMNOPYRANOSYL-(1,3)-GLUCOPYRANOSYL	Root Bark		18.0		--
0	QUINOVIC-ACID-3-BETA-O-ALPHA-L-RHAMNOPYRANOSIDE	Root Bark		17.0		--
0	27-O-BETA-D-GLUCOPYRANOSIDE-QUINOVIC-ACID	Root Bark		9.0		--
0	3-BETA-6-BETA-19-ALPHA-TRIHYDROXY-URS-12-ENE-23-28-DIOIC ACID	Root Bark		8.0		--
0	16-ALPHA-HYDROXY-3-BETA-METHOXY-URSA-12,19(29)-DIEN-27,28-DIOIC-ACID	Root Bark		8.0		--
0	QUINOVIC-ACID-3-BETA-O-BETA-D-QUINOVOPYRANOSYL-(1,3)-GLUCOPYRANOSYL	Root Bark		7.0		--
0	QUINOVIC-ACID-3-BETA-O-BETA-D-QUINOVOPYRANOSYL-(1,3)-GALACTOPYRANOSYL	Root Bark		7.0		--
0	6-BETA-19-ALPHA-DIHYDROXY-3-OXO-URS-12-EN-28-OIC-ACID	Root Bark		0.002		--
12	STIGMASTEROL	Bark				--
0	RHYNCHOPHYLLINE-N-OXIDE	Leaf				--
47	BETA-SITOSTEROL	Bark				--
0	QUINOVIC ACID-3-BETA-O-(BETA-D-FUCOSYL)-(28-1)-BETA-D-GLUCOSYL ESTER	Bark				--
0	DIHYDROCORYNANTHEINE-N-OXIDE	Leaf				--
3	PTEROPODINE	Root Bark				--
15	ISORHYNCHOPHYLLINE	Root Bark				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
12	MITRAPHYLLINE	Bark				--
0	QUINOVIC ACID-(28-1)-BETA-D-GLUCOSYL-BETA-D-GLUCOSYL ESTER	Bark				--
3	ISOMITRAPHYLLINE	Root Bark				--
23	RHYNCHOPHYLLINE	Root Bark				--
0	ISOROTUNDIFOLINE	Stem				--
3	ISOPTEROPODINE	Root Bark				--
1	ANGUSTINE	Leaf				--
2	CAMPESTEROL	Bark				--
0	QUINOVIC-ACID-3BETA-O-BETA-D-QUINOVOPYRANOSIDE	Bark				--
0	ISORHYNCHOPHYLLINE-N-OXIDE	Leaf				--
1	ALLOPTEROPODINE	Root				--
0	QUINOVIC-ACID-3BETA-O-BETA-D-FUCOPYRANOSYL-(27->1)BETA-D-GLUCOPYRANOSYLESTER	Bark				--
12	MITRAPHYLLINE	Root Bark				--
1	ALLOISOPTEROPODINE	Root				--
0	QUINOVIC-ACID-3BETA-O-BETA-D-FUCOPYRANOSIDE	Bark				--
0	QUINOVIC ACID-3-BETA-O-(BETA-D-QUINOVOSYL)-(28-1)-BETA-D-GLUCOSYL ESTER	Bark				--
89	URSOLIC-ACID	Plant				--
0	5ALPHA-CARBOXYSTRICTOSIDINE	Plant				--
87	RUTIN	Bark				Van Ginkel, A. 1996. Identification of the Alkaloids and Flavonoids from Uncaria tomentosa Bark by TLC in Quality Control. Phytotherapy Research, 10: S18-S19.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
77	CHLOROGENIC-ACID	Bark				Van Ginkel, A. 1996. Identification of the Alkaloids and Flavonoids from Uncaria tomentosa Bark by TLC in Quality Control. Phytotherapy Research, 10: S18-S19.
0	QUINOVIC ACID-3-BETA-O-(BETA-D-GLUCETA-D-GLUCOSYLESTEROSYL-(1-3)-BETA-D-FUCOSYL)-(28-1)-BETA-D-GLUCOSYL ESTER	Bark				--
1	UNCARINE-F	Plant				Fernando Cabieses, 1994.
0	3BETA,6BETA,19ALPHA-TRIHYDROXY-URS-12-EN-28-OIC-ACID	Plant				--
0	QUINOVIC ACID-3-BETA-O-(BETA-D-GLUCOSYL-(1-3)-BETA-D-FUCOSYL)-(27-1)-B	Bark				--
0	UNCARINE	Bark				--
1	UNCARINE-F	Root Bark				--
3	PTEROPODINE	Bark				--
0	QUINOVIC ACID-3-BETA-O-(BETA-D-GLUCOSYL-(1-3)-BETA-D-FUCOSIDE)	Bark				--
0	HIRSUTINE-N-OXIDE	Leaf				--
1	SPECIOPHYLLINE	Bark				--
64	OLEANOLIC-ACID	Plant				--
0	3-BETA-HYDROXY-3-OXO-URS-12-EN-27,28-DIOIC-ACID	Root Bark				--
0	ROTUNDIFOLINE	Stem				--
1	SPECIOPHYLLINE	Root Bark				--