Phytochemical

Urtica dioica L. - Urticaceae

Common names: European Nettle -- Stinging Nettle

Activities
Number of distinct activities for species = 783

List of chemicals

Chemical	Part	Lo ppm	Hi ppm	Reference
(+)-ISOLARICIRESINOL	Plant			FIT68:387
(+)-ISOLARICIRESINOL	Root			ALLHERB1998
(+)-NEOOLIVIL	Root		43.5	ALLHERB1998
(-)-3,4-DIVANILLYLTETRAHYDROFURAN	Root			PM63:529 PH2
(-)-PINORESINOL	Root			ALLHERB1998
(-)-SECOISOLARICIRESINOL	Root		41.5	ALLHERB1998
(10E,12Z)-9-HYDROXY-10,12-OCTADECADIENOIC-ACID	Plant			FIT68:387
(6'PALMITOYL)-BETA-SITOSTEROL-3-O-BETA-GLUCOSIDE	Root		30	HH3 PH2
13-HYDROXYOCTADECA-CIS-9-TRANS-11-DIENOIC-ACID	Root		350	ALLHERB1998
2-METHYLHEPTEN-(2)-ON-(6)	Essential Oil			HHB
24R-ETHYL-5-ALPHA-CHOLESTANE-3-BETA,6-ALPHA-DIOL	Root		15	FIT68:387 HH3
4-HYDROXY-3-METHOXYPHENYLPROPANE	Root			AJM5:5
5-HYDROXYTRYPTAMINE	Leaf			ALLHERB1998
5-HYDROXYTRYPTAMINE	Plant			WOI
7'(E)-4,4',7,9,9'-PENTAHYDROXY-3,3'-DIMETHOXY-8.O,4'-LIGNAN	Root		10	HH3
7'(E)-7-O-BETA-D-GLUCOPYRANOSYL-4,4',7,9,9'PENTAHYDROXY-3,3'-DIMETHOXY-8-O,4'-LIGNAN	Root		20	HH3
7-ALPHA-HYDROXY-SITOSTEROL	Root		10	HH3 PH2
7-ALPHA-HYDROXYDAUCOSTEROL	Root		2	ALLHERB1998
7-ALPHA-HYDROXYSITOSTEROL-3-O-BETA-D-GLUCOSIDE	Root		5	FIT68:387 HH3
7-BETA-HYDROXYDAUCOSTEROL	Root		2.7	ALLHERB1998
7-BETA-HYDROXYSITOSTEROL	Root		10	HH3 PH2
7-BETA-HYDROXYSITOSTEROL-3-O-BETA-	Root		5	FIT68:387 HH3

D-GLUCOSIDE				
9'-ACETYL-GLUCOSIDE	Root		60	HH3
9,10,13-TRIHYDROXYOCTADEC-TRANS-11-ENOIC-ACID	Root		342	ALLHERB1998
9,12,13-TRIHYDROXY-OCTADEC-TRANS-10-ENOIC-ACID	Root		34	ALLHERB1998
9,9'-BIACETYL-NEOOLIVIL	Root		70	HH3
9,9'-BIACETYL-NEOOLIVIL-GLUCOSIDE	Root		100	HH3
9,9'-BISACETYL-NEOOLIVIL	Root		21	ALLHERB1998
9-ACETYL-NEOOLIVIL	Root		10	ALLHERB1998 HH3
9-ACETYL-NEOOLIVIL-4-O-BETA-D-GLUCOSIDE	Root		40	HH3
ACETIC-ACID	Plant			HHB HH3
ACETOPHENONE	Plant			HHB JBH
ACETYL-CHOLINE	Leaf		20	HHB HH3 PH2
ADENOSINE	Root		20	HH3
AESCULETIN	Plant			ALLHERB1998
ALANINE	Leaf			ALLHERB1998
ALLANTOIC-ACID	Plant			HH3
ALPHA-TOCOPHEROL	Leaf	16	94	TOT
ALPHA-TOCOPHEROL	Seed	230	380	HH3
ALUMINUM	Leaf	62	345	AAS HH3
ALUMINUM	Leaf	28	138	PED98
APS-SULFOTRANSFERASE	Leaf			ALLHERB1998
ARABINOSE	Root			HH3
ARGININE	Leaf			ALLHERB1998
ARGININE	Plant			AJM5:5
ARSENIC	Leaf	0.02	0.11	AAS
ASCORBIC-ACID	Leaf	166	830	PED98
ASCORBIC-ACID	Leaf	200	6500	FIT68:387 HH3 PED
ASCORBIC-ACID	Plant	640	2200	ALLHERB1998
ASH	Leaf	84000	200000	FIT68:387 HH3 PED WOI
ASH	Leaf	16800	84000	PED98
ASPARAGINE	Plant			AJM5:5
ASPARTIC-ACID	Leaf			ALLHERB1998
ASTRAGALIN	Inflorescence			ALLHERB1998
ASTRAGALIN	Plant		20	HH3 PH2
BETA-CAROTENE	Leaf	19	94	PED98
BETA-CAROTENE	Leaf	25	300	FIT68:387 HH3 PED WOI

				ALLHERB1998
BETA-CAROTENE	Seed	10	25	HH3
BETA-FRUCTOFURANOSIDASES	Plant			HH3
BETA-SITOSTEROL	Flower		1000	HH3
BETA-SITOSTEROL	Root	290	640	HH3 PH2
BETA-SITOSTEROL	Shoot			FIT68:387
BETA-SITOSTEROL-3-O-BETA-GLUCOSIDE	Root	300	5000	HH3 PH2
BETAINE	Leaf			WOI
BETAINE	Plant			ALLHERB1998
BORON	Leaf	6	47	AAS 1 GFN2 HH2
BROMINE	Leaf	20	110	AAS
BUTYRIC-ACID	Plant			HHB HH3
CADMIUM	Leaf	0.01	0.05	AAS
CAFFEIC-ACID	Leaf			ALLHERB1998
CAFFEIC-ACID	Plant			JLS58:118 ALLHERB1998
CAFFEIC-ACID-MALATE	Leaf			ALLHERB1998
CAFFEOYL-MALIC-ACID	Flower			AJM5:5 ALLHERB1998
CAFFEOYL-MALIC-ACID	Root			ALLHERB1998
CAFFEOYL-MALIC-ACID	Shoot			ALLHERB1998
CAFFEOYL-MALIC-ACID	Plant	300	16000	HH3 PH2
CAFFEOYL-MALIC-ACID	Leaf			ALLHERB1998
CALCIUM	Leaf	5940	41900	AAS GFN2 HH3
CALCIUM	Leaf	5800	29000	PED98
CAMPESTEROL	Root			PHR
CAMPESTEROL	Shoot			PHR
CARBOHYDRATES	Leaf		396000	WOI
CARBONIC-ACID	Plant			AJM5:5
CAROTENOIDS	Seed			HH3
CELLULOSE	Leaf		103000	WOI
CERAMIDES	Root			HH3
CHLORINE	Leaf	1800	2700	WOI
CHLOROGENIC-ACID	Flower			AJM5:5 ALLHERB1998
CHLOROGENIC-ACID	Leaf			ALLHERB1998
CHLOROGENIC-ACID	Shoot			ALLHERB1998
CHLOROGENIC-ACID	Plant	200	5000	HH3
CHLOROPHYLLINS	Leaf	40	200	PED98
CHLOROPHYLLS	Leaf	157	10000	AJM5:8 HHB HH3
CHOLINE	Inflorescence		4800	ALLHERB1998
CHOLINE	Leaf		4900	HHB

CHOLINE-ACETYLTRANSFERASE	Plant			CAN HH3
CHROMIUM	Leaf	0.18	1	AAS PED
CHROMIUM	Leaf	0.8	3.9	PED98
CINNAMIC-ACID	Plant			AJM5:5
CITRAL	Plant			HH3
CITRIC-ACID	Plant			HH3 LAF ALLHERB1998
COBALT	Leaf	0.03	0.16	AAS PED
COBALT	Leaf	2.6	13.2	PED98
COPPER	Leaf	2	15	AAS GFN HH3 ALLHERB1998
COUMARIN	Plant			CAN
DAUCOSTEROL	Root		109	ALLHERB1998
DAUCOSTEROL-6'-O-PALMITATE	Root		5.6	ALLHERB1998
DEHYDROCONIFERYL-ALCOHOL	Root		440	ALLHERB1998 PM63:529
DEHYDRODICONIFERYL-ALCOHOL	Root			PM63:529
ETHYL-KETONE	Leaf			FIT68:387
FAT	Leaf	10000	81000	FIT68:387 PED WOI
FAT	Leaf	4600	23000	PED98
FAT	Seed	231000	382000	CRC HH3 WOI
FE	Leaf			ALLHERB1998
FERULIC-ACID	Plant			HH3 JLS58:118 ALLHERB1998
FIBER(CRUDE)	Leaf		110000	PED98
FIBER(DIETARY)	Leaf		430000	PED98
FLAVONOIDS	Shoot	7000	18000	PHR
FLAVONOL-GLYCOSIDES	Flower		2000	HH3
FLUORINE	Leaf	1.4	7.8	AAS
FOLACIN	Plant			HHB
FORMIC-ACID	Plant			JBH HHB HH3
FRUCTOSE	Root			HH3
FUCOSE	Leaf			HH3
FUMARIC-ACID	Plant			CAN HH3 ALLHERB1998
GABA	Root		250	HH3
GALACTINOL	Root			HH3
GALACTOSE	Leaf			HH3
GALACTOSE	Root			HH3
GALLIC-ACID	Plant			AJM5:5
GLUCOSAMINE	Root		250	HH3
GLUCOSE	Leaf			HH3

GLUCURONIC-ACID	Root			HH3
GLUTAMATE-DECARBOXYLASE	Leaf			ALLHERB1998
GLUTAMIC-ACID	Leaf			ALLHERB1998
GLYCERIC-ACID	Plant			CAN HH3 ALLHERB1998
GLYCEROL	Seed	6975	9045	WOI
GLYCINE	Leaf			ALLHERB1998
GLYCOLIC-ACID	Plant			HH3
HISTAMINE	Leaf		30	HH3 JBH PH2 WOI
HISTIDINE	Leaf			ALLHERB1998
HOMOVANILLIN	Root			AJM5:5
HOMOVANILLYL-ALCOHOL	Plant			FIT68:387
HOMOVANILLYL-ALCOHOL	Root		20	FIT68:387 HH3 ALLHERB1998
HOMOVANILLYL-ALCOHOL-4'-O-BETA-D-GLUCOSIDE	Root		30	FIT68:387 HH3
HOMOVANILLYL-ALCOHOL-GLUCOSIDE	Plant			FIT68:387
IRESINOL	Root			AJM5:5
IRON	Leaf	44	2000	AAS GFN HH3 PED WOI APZ45:481
IRON	Leaf	8	42	PED98
IRON	Seed		57	APZ45:481
IRON	Root		63	APZ45:481
ISOCITRIC-ACID	Plant			HH3
ISOLARIC	Root			AJM5:5
ISOLEUCINE	Leaf			ALLHERB1998
ISOPENTENYL-ADENOSINE	Plant			AJM5:5
ISOQUERCITRIN	Flower	100	200	HH3 LAF ALLHERB1998
ISOQUERCITRIN	Plant		200	PH2
ISOQUERCITRIN	Leaf			ALLHERB1998
ISOQUERCITRIN	Shoot			ALLHERB1998
ISOQUERCITRIN	Root			ALLHERB1998
ISOQUERCITRIN	Inflorescence			ALLHERB1998
ISORHAMNETIN	Flower			LAF
ISORHAMNETIN	Inflorescence			ALLHERB1998
ISORHAMNETIN-3-O-BETA-D-GLUCOSIDE	Plant		200	FIT68:387 HH3
ISORHAMNETIN-3-O-GLUCOSIDE	Plant			FIT68:387
ISORHAMNETIN-3-O-NEOHESPERIDOSIDE	Plant		150	FIT68:387 HH3
ISORHAMNETIN-3-O-RUTINOSIDE	Plant		50	FIT68:387 HH3
KAEMPFEROL	Inflorescence			ALLHERB1998
KAEMPFEROL	Plant			CAN

KAEMPFEROL-3-O-BETA-D-RUTINOSIDE	Flower		4000	ALLHERB1998
KAEMPFEROL-3-O-GLUCOSIDE	Plant			FIT68:387
KAEMPFEROL-3-O-RUTINOSIDE	Inflorescence			ALLHERB1998
KAEMPFEROL-3-O-RUTINOSIDE	Plant		400	FIT68:387 HH3
KOPROPORPHYRIN	Plant			HHB
LEAD	Leaf	1	6	AAS
LECITHIN	Plant			HHB
LECTIN	Root			ALLHERB1998
LECTINS	Root		1000	AJM5:5 PHR
LEUCINE	Leaf			ALLHERB1998
LEUCOTRIENES	Plant			AJM5:5 PH2
LIGNANS	Root			AJM5:5 HH3
LINALOL	Plant			HH3
LINOLEIC-ACID	Root			ALLHERB1998
LINOLEIC-ACID	Seed	114235	317060	HH3 WOI
LINOLENIC-ACID	Seed	2080	3440	HH3 WOI
LUTEIN	Seed	10	25	HH3
LUTEIN-EPOXIDE	Leaf			ALLHERB1998
LUTEOXANTHIN	Leaf			ALLHERB1998
LYCOPENE	Plant			HHB HH3
LYSINE	Leaf			ALLHERB1998
LYSOPHOSPHATIDYLCHOLINE	Plant			JAF44:3052
LYSOPHOSPHATIDYLCHOLINE	Root			ALLHERB1998
MAGNESIUM	Fruit Juice			ALLHERB1998
MAGNESIUM	Leaf	860	8600	AAS PED WOI ALLHERB1998
MAGNESIUM	Leaf	1720	8600	PED98
MALIC-ACID	Plant			CAN HH3 ALLHERB1998
MALTOSE	Root			HH3
MANGANESE	Leaf	11	172	AAS GFN HH3 APZ45:481 ALLHERB1998
MANGANESE	Seed		12	APZ45:481
MANGANESE	Root		7	APZ45:481
MANGANESE	Leaf	2	7.8	PED98
MANNOSE	Leaf			HH3
MERCURY	Leaf	0.005	0.028	AAS
METHIONINE	Leaf			ALLHERB1998
MOLYBDENUM	Leaf	0.1	3	AAS GFN
MUCILAGE	Plant			HHB
MYO-INOSITOL	Root			HH3

NEOOLIVIL	Root	16.6	30	ALLHERB1998 AJM5:5 HH3 PH2
NEOOLIVIL-4-O-BETA-D-GLUCOSIDE	Root		40	HH3 PH2
NIACIN	Leaf		52	PED
NIACIN	Leaf	10	52	PED98
NICKEL	Leaf	0.3	2.7	AAS HH3
NITRATES	Plant	15000	30000	PH2
NITROGEN	Leaf	10000	55555	AAS ALLHERB1998
OCTACOSAN-14-OL	Root		1	ALLHERB1998
OLEANOLIC-ACID	Flower			HH3
OLEANOLIC-ACID	Root		20	HH3 ALLHERB1998
OLEIC-ACID	Seed	17825	23115	WOI
OLIVIL	Plant			PHR
OXALIC-ACID	Plant			CAN HH3 ALLHERB1998
P-COUMARIC-ACID	Plant			HH3 JLS58:118
PALMITIC-ACID	Root			ALLHERB1998
PALMITIC-ACID	Seed	10000	13500	WOI
PANTOTHENIC-ACID	Leaf		10	HHB
PECTIN	Root			HH3
PHENYLALANINE	Leaf			ALLHERB1998
PHENYLPROPANES	Root			AJM5:5 HH3
PHOSPHATIDYL-CHOLINE	Plant			JAF44:3052
PHOSPHATIDYL-CHOLINE	Root			ALLHERB1998
PHOSPHATIDYL-ETHANOLAMINE	Plant			JAF44:3052
PHOSPHATIDYL-ETHANOLAMINE	Root			ALLHERB1998
PHOSPHATIDYL-INOSITOL	Plant			JAF44:3052
PHOSPHATIDYL-INOSITOL	Root			ALLHERB1998
PHOSPHORIC-ACID	Plant			CAN HH3 ALLHERB1998
PHOSPHORUS	Leaf	894	4470	PED98
PHOSPHORUS	Leaf	500	6800	AAS GFN ALLHERB1998
PINORESIONOL	Root			PM63:529
POLYSACCHARIDE	Root			ALLHERB1998
PORPHYRINS	Leaf		10000	HH3
POTASSIUM	Leaf	6000	37220	AAS HH3 PED PH2 WOI ALLHERB1998
POTASSIUM	Seed		12190	APZ45:481 ALLHERB1998
POTASSIUM	Root		11320	APZ45:481 ALLHERB1998

POTASSIUM	Leaf	3500	17500	PED98
PROLINE	Leaf			ALLHERB1998
PROTEIN	Leaf	38200	304000	FIT68:387 HH3 PED WOI ALLHERB1998
PROTEIN	Seed	155000	201000	CRC
PROTEIN	Leaf	50400	252000	PED98
PROTOPORPHYRIN	Plant			HHB
QUERCETIN	Inflorescence			ALLHERB1998
QUERCETIN	Plant			CAN
QUERCETIN-3-O-GLUCOSIDE	Plant			FIT68:387
QUERCETIN-3-O-RUTINOSIDE	Plant			FIT68:387
QUINIC-ACID	Plant			CAN ALLHERB1998
RAFFINOSE	Root			HH3
RHAMNOSE	Leaf			HH3
RIBOFLAVIN	Leaf	4	15	HHB PED
RIBOFLAVIN	Leaf	0.9	4.3	PED98
RUBIDIUM	Leaf	3.2	17.8	AAS
RUTIN	Flower		7000	ALLHERB1998
RUTIN	Shoot	500	6000	HH3 PHR ALLHERB1998
RUTIN	Root			ALLHERB1998
RUTIN	Inflorescence			ALLHERB1998
RUTIN	Leaf			ALLHERB1998
SCOPOLETIN	Plant	1	10	HH3
SCOPOLETIN	Root	3	36	ALLHERB1998 HH3 PM57:A69
SECOISOLARICIRESINOL	Root		7.7	ALLHERB1998 AJM5:5
SECOISOLARICIRESINOL-9-O-BETA-D-GLUCOSIDE	Root		40	PH2
SECRETIN	Plant			MAD
SELENIUM	Leaf	0.4	2.2	PED98
SELENIUM	Plant			DUKE1992A
SELENIUM	Leaf		2.2	AAS PED
SERINE	Leaf			ALLHERB1998
SEROTONIN	Plant	0.2	200	HHB HH3 JBH
SFA	Seed	10850	14070	WOI
SILICIC-ACID	Plant	3000	40000	AJM5:5 HH3 PH2
SILICON	Leaf	1170	33300	AASHH3 WOI APZ45:481 ALLHERB1998
SILICON	Leaf	2	10.3	PED98

SINAPIC-ACID	Leaf			FIT68:387
SINAPIC-ACID	Plant			ALLHERB1998
SITOSTEROL	Root			PM57:A69
SITOSTEROL-BETA-D-GLUCOSIDE	Leaf	45	76	AJM5:5
SITOSTEROL-GLUCOSIDE	Leaf		500	HH3
SITOSTEROL-GLUCOSIDE	Root			PM57:A69
SODIUM	Leaf	10	1400	GFN PED WOI ALLHERB1998
SODIUM	Leaf	10	49	PED98
SODIUM	Seed		660	APZ45:481 ALLHERB1998
SODIUM	Root		700	APZ45:481 ALLHERB1998
STACHYOSE	Root			HH3
STEARIC-ACID	Root			ALLHERB1998
STIGMAST-4-EN-3-ONE	Root			PM61:31 ALLHERB1998
STIGMASTEROL	Root			PHR
SUCCINIC-ACID	Plant			CAN HH3 ALLHERB1998
SUCROSE	Root			HH3
SULFUR	Leaf	1200	6665	AAS WOI
TANNIC-ACID	Plant			AJM5:5
TANNIN	Leaf	59700	133000	ALLHERB1998
TARTARIC-ACID	Plant			HH3
THIAMIN	Leaf	0.3	5.4	HH3 PED WOI
THIAMINE	Leaf	1	5.4	PED98
THREONIC-ACID	Plant			CAN ALLHERB1998
THREONINE	Leaf			ALLHERB1998
THREONO-1,4-LACTONE	Plant			CAN HH3 ALLHERB1998
TIN	Leaf		27	PED
TIN	Leaf	5.4	27	PED98
TITANIUM	Leaf		27	HHB
TYROSINE	Leaf			ALLHERB1998
URSOLIC-ACID	Root		15	ALLHERB1998
URTICA-ARABINOGALACTAN-RP-5	Root			ALLHERB1998
URTICA-RHAMNOGALACTURAN-RP-3	Root			ALLHERB1998
URTICA-RHAMNOGALACTURAN-RP-4	Root			ALLHERB1998
URTICA-TERPENE-DIOL-1	Root			ALLHERB1998
URTICA-TERPENE-DIOL-2	Root			ALLHERB1998
URTICA-TERPENE-DIOL-3	Root			ALLHERB1998
VALINE	Leaf			ALLHERB1998

VANILLIC-ACID	Root			AJM5:5
VANILLIN	Root			AJM5:5
VIOLAXANTHIN	Leaf			ALLHERB1998
VIOLAXANTHIN	Plant			HHB
VIOLAXANTHIN	Seed	10	25	HH3
VIT-B-1	Plant		0.8	ALLHERB1998
VIT-K	Leaf	1.6	76	AJM5:5 FIT68:387
WATER	Leaf		800000	PED98
WATER	Leaf	850000	882000	HH3 PED
XANTHOPHYLL-EPOXIDE	Plant			HHB HH3
XYLOSE	Leaf			HH3
ZEATIN	Leaf			ALLHERB1998
ZEATIN	Plant			AJM5:5
ZEATIN	Stem			ALLHERB1998
ZEATIN	Root			ALLHERB1998
ZEATIN-NUCLEOTIDE	Plant			AJM5:5
ZEATIN-O-GLUCOSIDE	Leaf			ALLHERB1998
ZEATIN-O-GLUCOSIDE	Stem			ALLHERB1998
ZEATIN-O-GLUCOSIDE	Root			ALLHERB1998
ZINC	Leaf	16	95	AAS GFN ALLHERB1998
ZINC	Root		19	APZ45:481 ALLHERB1998
ZINC	Seed		19	APZ45:481 ALLHERB1998
ZINC	Leaf	0.9	4.7	PED98

green