Chemical Name	Activity Count	Plant Part	Low Parts Per Million	High Parts Per Million	Standard Deviation	Reference
(+)-DEHYDROVOMIFOLIOL	0	Petiole	not available	1.0	not available	Duke, 1992 *
1-RHAMNONO-1,4-LACTONE	0	Plant	not available	not available	not available	Duke, 1992 *
12(S),13(S)-EPOXY-11(R)-HYDROXY-OCTADECA-CIS-9,CIS15-DIEN-1-OIC-ACID	0	Shoot	not available	0.9	not available	Duke, 1992 *
12(S),13(S)-EPOXY-11(S)-HYDROXY-OCTADECA-CIS-9,CIS15-DIEN-1-OIC-ACID	0	Shoot	not available	0.4	not available	Duke, 1992 *
15,16-DIHYDROCORONARIC-ACID	0	Shoot	not available	0.8	not available	Duke, 1992 *
2,4-DINITROPHENYLHYDRAZONE	0	Seed	not available	not available	not available	Duke, 1992 *
2-C-HYDROXY-METHYL-D-ERYTHRONO-1,4-LACTONE	0	Plant	not available	not available	not available	Duke, 1992 *
2-C-METHYL-D-ERYTHRONO-1,4-LACTONE	0	Plant	not available	not available	not available	Duke, 1992 *
2-DEOXY-D-LYXONO-1,4-LACTONE	0	Plant	not available	not available	not available	Duke, 1992 *
24-METHYL-24-METHOXYCYCLOARTANOL	0	Plant	not available	not available	not available	Duke, 1992 *
24-METHYLENE-CYCLOARTANOL	5	Plant	not available	not available	not available	Duke, 1992 *
25-ETHOXY-24-METHOXYCYLCOARTANOL	0	Plant	not available	not available	not available	Duke, 1992 *
25-HYDROXY-24-METHOXYCYCLOARTANOL	0	Plant	not available	not available	not available	Duke, 1992 *
3-DEOXY-D-ARABINO-HEXONO-1,4-LACTONE	0	Plant	not available	not available	not available	Duke, 1992 *
5'O-(BETA-D-GLUCOPYRANOSYL)-PYROXIDINE	0	Fruit	not available	not available	not available	Duke, 1992 *
9,10-DIOXYSTEARIC-ACID	0	Plant	not available	not available	not available	Duke, 1992 *
ACETALDEHYDE	6	Plant	not available	not available	not available	Duke, 1992 *
ACETONE	3	Plant	not available	not available	not available	Duke, 1992 *
ADENINE	11	Seed	not available	not available	not available	Duke, 1992 *
ALLANTOIN	12	Seed	not available	not available	not available	Duke, 1992 *
ALPHA-GLUCAN	0	Tissue Culture	not available	not available	not available	Duke, 1992 *
ALPHA-TOCOPHEROL	32	Seed	not available	not available	not available	Duke, 1992 *
AMYLOSE	0	Seed	0.0	131075.0	1.41	Duke, 1992 *
ANTHERAXANTHIN	1	Plant	not available	not available	not available	Duke, 1992 *
ARABINOSE	0	Seed	not available	not available	not available	Duke, 1992 *
ARACHIDIC-ACID	0	Seed	not available	not available	not available	Duke, 1992 *
ARSENIC	2	Seed	not available	0.2	1.60	Duke, 1992 *

Chemical Name	Activity Count	Plant Part	Low Parts Per Million	High Parts Per Million	Standard Deviation	Reference
ARUNDOIN	0	Shoot	not available	not available	not available	Duke, 1992 *
ASCORBIC-ACID	112	Seed	not available	not available	not available	Duke, 1992 *
ASH	0	Plant	75000.0	185800.0	1.17	Duke, 1992 *
ASH	0	Seed	7000.0	57000.0	0.27	Duke, 1992 *
ASPARAGINE	2	Juice	not available	not available	not available	Duke, 1992 *
ASPARTIC-ACID	3	Hay	not available	not available	not available	Duke, 1992 *
BEHENIC-ACID	1	Seed	not available	not available	not available	Duke, 1992 *
BETA-CAROTENE	53	Seed	not available	not available	not available	Duke, 1992 *
BETA-CYCLOORYSTENOL	0	Seed	not available	not available	not available	Duke, 1992 *
BETA-SITOSTEROL	47	Juice	not available	not available	not available	Duke, 1992 *
BETA-SITOSTEROL	47	Sprout Seedling	not available	not available	not available	Duke, 1992 *
BUTANAL	0	Plant	not available	not available	not available	Duke, 1992 *
CADMIUM	3	Seed	not available	0.2	-0.26	Duke, 1992 *
CALCIUM	28	Plant	1900.0	3300.0	-1.10	Duke, 1992 *
CALCIUM	28	Seed	71.0	364.0	-0.69	Duke, 1992 *
CAMPESTEROL	2	Plant	not available	not available	not available	Duke, 1992 *
CARBOHYDRATES	0	Plant	420000.0	478000.0	-1.25	Duke, 1992 *
CARBOHYDRATES	0	Seed	734000.0	892000.0	1.46	Duke, 1992 *
CARLINOSIDE	1	Leaf	not available	not available	not available	Duke, 1992 *
CASTASTERONE	0	Protoplast	not available	13.6	not available	Duke, 1992 *
CELLOPENTAOSYLSITOSTEROL	0	Plant	not available	not available	not available	Duke, 1992 *
CELLOTETRAOSYLSITOSTEROL	0	Plant	not available	not available	not available	Duke, 1992 *
CELLULOSE	1	Petiole	190000.0	210000.0	not available	Duke, 1992 *
CELLULOSE	1	Plant	340000.0	534600.0	1.88	Duke, 1992 *
CERAMIDE	0	Shoot	not available	15.0	not available	Duke, 1992 *
CERYL-CEROTATE	0	Fruit	not available	not available	not available	Duke, 1992 *
CHOLINE	20	Seed	not available	880.0	-0.75	Duke, 1992 *

Chemical Name	Activity Count	Plant Part	Low Parts Per Million	High Parts Per Million	Standard Deviation	Reference
CHRYSANTHEMIN	0	Plant	not available	not available	not available	Duke, 1992 *
COPROSTAN	0	Plant	not available	not available	not available	Duke, 1992 *
CORONARIC-ACID	0	Shoot	not available	0.1	not available	Duke, 1992 *
CYANIDIN-5-GLYCOSIDE	0	Leaf	not available	not available	not available	Duke, 1992 *
CYANIDIN-DIGLYCOSIDE	0	Leaf	not available	not available	not available	Duke, 1992 *
CYANIDIN-MONOGLYCOSIDE	0	Leaf	not available	not available	not available	Duke, 1992 *
CYANIN	5	Plant	not available	not available	not available	Duke, 1992 *
CYCLOARTANOL	0	Plant	not available	not available	not available	Duke, 1992 *
CYCLOARTENOL	7	Plant	not available	not available	not available	Duke, 1992 *
CYCLOBRANOL	0	Plant	not available	not available	not available	Duke, 1992 *
CYCLOEUCALENOL	3	Seed	not available	not available	not available	Duke, 1992 *
CYLINDRIN	0	Shoot	not available	not available	not available	Duke, 1992 *
CYSTEINE	13	Plant	not available	not available	not available	Duke, 1992 *
D-ALANYL-D-ALANINE	0	Leaf	not available	not available	not available	Duke, 1992 *
D-ALANYL-GLYCINE	0	Leaf	not available	not available	not available	Duke, 1992 *
D-ARABINO-1,4-LACTONE	0	Plant	not available	not available	not available	Duke, 1992 *
D-ERYTHRONO-1,4-LACTONE	0	Plant	not available	not available	not available	Duke, 1992 *
D-LYXONO-1,4-LACTONE	0	Plant	not available	not available	not available	Duke, 1992 *
DESOXYCORTICOSTEROL	0	Plant	not available	not available	not available	Duke, 1992 *
DEXTRIN	0	Seed	15600.0	20500.0	not available	Duke, 1992 *
DIGLYCOSYL-CERAMIDE	0	Shoot	not available	2.0	not available	Duke, 1992 *
DIHYDRO-BETA-SITOSTEROL	0	Petiole	not available	not available	not available	Duke, 1992 *
DIMETHYL-AMINE	2	Seed	not available	not available	not available	Duke, 1992 *
DNA-POLYMERASE	0	Tissue Culture	not available	not available	not available	Duke, 1992 *
DOLICHOSTERONE	0	Protoplast	not available	8.4	not available	Duke, 1992 *
ERGOSTEROL	5	Sprout Seedling	not available	not available	not available	Duke, 1992 *
ESTERASE	0	Plant	not available	not available	not available	Duke, 1992 *

Chemical Name	Activity Count	Plant Part	Low Parts Per Million	High Parts Per Million	Standard Deviation	Reference
FAT	0	Plant	9000.0	15000.0	-0.54	Duke, 1992 *
FAT	0	Seed	15000.0	27000.0	-1.26	Duke, 1992 *
FERULIC-ACID	61	Plant	not available	not available	not available	Duke, 1992 *
FIBER	15	Plant	334000.0	350000.0	0.94	Duke, 1992 *
FIBER	15	Seed	8000.0	121000.0	-0.11	Duke, 1992 *
FURFURAL	6	Petiole	90000.0	100000.0	not available	Duke, 1992 *
GAMMA-SITOSTEROL	0	Sprout Seedling	not available	not available	not available	Duke, 1992 *
GAMMA-TOCOPHEROL	14	Seed	not available	not available	not available	Duke, 1992 *
GLUCOSE	7	Seed	14500.0	26500.0	0.10	Duke, 1992 *
GLUCOTRICIN	0	Plant	not available	not available	not available	Duke, 1992 *
GLUTAMIC-ACID	8	Hay	not available	not available	not available	Duke, 1992 *
GLYCINE	12	Plant	not available	not available	not available	Duke, 1992 *
GUANIDINE	6	Seed	not available	not available	not available	Duke, 1992 *
GUANINE	1	Seed	not available	not available	not available	Duke, 1992 *
HEXANAL	5	Plant	not available	not available	not available	Duke, 1992 *
HEXANOL	3	Plant	not available	not available	not available	Duke, 1992 *
HYPOXANTHINE	0	Plant	not available	not available	not available	Duke, 1992 *
INDOLE-3-ACETIC-ACID-MYOINOSITOL	0	Seed	not available	4.5	not available	Duke, 1992 *
INEKETONE	0	Petiole	not available	0.0	not available	Duke, 1992 *
IRON	6	Seed	14.0	85.0	-0.31	Duke, 1992 *
ISOARBORINOL	0	Shoot	not available	not available	not available	Duke, 1992 *
ISOCERYL-ISOCEROTATE	0	Fruit	not available	not available	not available	Duke, 1992 *
ISOEUGENOL	16	Plant	not available	not available	not available	Duke, 1992 *
ISOLEUCINE	3	Hay	not available	not available	not available	Duke, 1992 *
ISOSCOPARIN-2'-GLUCOSIDE	0	Plant	not available	not available	not available	Duke, 1992 *
ISOSCOPARIN-2'-GLUCOSIDE-6''-FERULIC-ESTER	0	Plant	not available	not available	not available	Duke, 1992 *
ISOSCOPARIN-2'-GLUCOSIDE-6''-P-COUMARIC-ESTER	0	Plant	not available	not available	not available	Duke, 1992 *

Chemical Name	Activity Count	Plant Part	Low Parts Per Million	High Parts Per Million	Standard Deviation	Reference
KERACYANIN	0	Plant	not available	not available	not available	Duke, 1992 *
KILOCALORIES	0	Seed	3410.0	4100.0	-0.59	Duke, 1992 *
LEAD	0	Seed	not available	0.9	-0.45	Duke, 1992 *
LECITHIN	20	Plant	not available	not available	not available	Duke, 1992 *
LEUCINE	2	Hay	not available	not available	not available	Duke, 1992 *
LIGNIN	13	Plant	45000.0	255300.0	0.69	Duke, 1992 *
LIGNOCERIC-ACID	1	Seed	not available	not available	not available	Duke, 1992 *
LINOLEIC-ACID	27	Seed	6600.0	11880.0	-0.82	Duke, 1992 *
LINOLENIC-ACID	0	Seed	not available	not available	not available	Duke, 1992 *
LUTEIN	15	Plant	not available	not available	not available	Duke, 1992 *
LYSINE	4	Hay	not available	not available	not available	Duke, 1992 *
LYSOLECITHIN	1	Seed	not available	not available	not available	Duke, 1992 *
MAGNESIUM	65	Plant	1100.0	2200.0	-0.58	Duke, 1992 *
MERCURY	1	Seed	not available	0.2	0.30	Duke, 1992 *
METHIONINE	15	Plant	not available	not available	not available	Duke, 1992 *
MOMILACTONE-A	0	Petiole	not available	4.0	not available	Duke, 1992 *
MOMILACTONE-B	0	Petiole	not available	1.0	not available	Duke, 1992 *
MOMILACTONE-C	0	Plant	not available	not available	not available	Duke, 1992 *
MONOGLYCOSYL-CERAMIDE	0	Shoot	not available	250.0	not available	Duke, 1992 *
MYRICYL-CEROTATE	0	Fruit	not available	not available	not available	Duke, 1992 *
NAPHTHALINE	0	Sprout Seedling	not available	not available	not available	Duke, 1992 *
NEOCARLINOSIDE	0	Plant	not available	not available	not available	Duke, 1992 *
NEOSCHAFTOSIDE	1	Leaf	not available	not available	not available	Duke, 1992 *
NEOXANTHIN	2	Plant	not available	not available	not available	Duke, 1992 *
NIACIN	39	Seed	40.0	65.0	0.66	Duke, 1992 *
NICKEL	3	Seed	not available	1.6	-0.60	Duke, 1992 *
NICOTIANAMINE	1	Sprout Seedling	not available	not available	not available	Duke, 1992 *

Chemical Name	Activity Count	Plant Part	Low Parts Per Million	High Parts Per Million	Standard Deviation	Reference
OLEIC-ACID	18	Seed	4500.0	8100.0	-0.91	Duke, 1992 *
ORYZABRANS	0	Seed	not available	not available	not available	Duke, 1992 *
ORYZALEXIN-A	0	Leaf	1.0	1.4	not available	Duke, 1992 *
ORYZALEXIN-B	0	Leaf	not available	0.6	not available	Duke, 1992 *
ORYZALEXIN-C	0	Leaf	not available	5.4	not available	Duke, 1992 *
ORYZALEXIN-D	0	Leaf	not available	not available	not available	Duke, 1992 *
ORYZANOL-A	0	Seed	not available	not available	not available	Duke, 1992 *
ORYZANOL-B	0	Seed	not available	not available	not available	Duke, 1992 *
ORYZANOLE	0	Plant	not available	not available	not available	Duke, 1992 *
ORYZARANS	0	Root	not available	not available	not available	Duke, 1992 *
ORYZAROL	0	Stem	not available	not available	not available	Duke, 1992 *
ORYZENIN	0	Seed	not available	not available	not available	Duke, 1992 *
OXALIC-ACID	9	Seed	not available	46.0	-0.67	Duke, 1992 *
P-AMINOBENZOIC-ACID	12	Plant	not available	not available	not available	Duke, 1992 *
P-COUMARIC-ACID	25	Petiole	not available	0.9	not available	Duke, 1992 *
P-HYDROXY-BENZOIC-ACID	13	Plant	not available	not available	not available	Duke, 1992 *
PALMITIC-ACID	13	Seed	1800.0	3240.0	-0.63	Duke, 1992 *
PANGAMIC-ACID	1	Petiole	not available	not available	not available	Duke, 1992 *
PANTOTHENIC-ACID	11	Seed	6.0	17.0	0.03	Duke, 1992 *
PELARGONIC-ACID	0	Plant	not available	not available	not available	Duke, 1992 *
PENTANAL	0	Plant	not available	not available	not available	Duke, 1992 *
PENTOSANS	0	Plant	not available	209000.0	0.91	Duke, 1992 *
PHOSPHORUS	4	Plant	600.0	3478.0	-0.05	Duke, 1992 *
PHOSPHORUS	4	Seed	528.0	5588.0	0.06	Duke, 1992 *
PHYTIN	0	Seed	not available	not available	not available	Duke, 1992 *
PHYTIN-PHOSPHORUS	0	Seed	211.0	2235.0	0.69	Duke, 1992 *
PHYTOCEREBROSIDE	0	Plant	not available	not available	not available	Duke, 1992 *

Chemical Name	Activity Count	Plant Part	Low Parts Per Million	High Parts Per Million	Standard Deviation	Reference
POTASSIUM	14	Plant	12000.0	12600.0	-0.64	Duke, 1992 *
POTASSIUM	14	Seed	1000.0	2431.0	-0.89	Duke, 1992 *
PRIMULIN	0	Seed	not available	not available	not available	Duke, 1992 *
PROPANAL	0	Plant	not available	not available	not available	Duke, 1992 *
PROTEIN	0	Hay	not available	not available	not available	Duke, 1992 *
PROTEIN	0	Plant	34000.0	45000.0	-1.05	Duke, 1992 *
PROTEIN	0	Seed	58000.0	85000.0	-1.32	Duke, 1992 *
PYRIDOXINE	43	Seed	4.0	10.0	0.97	Duke, 1992 *
QUINIC-ACID	1	Leaf	not available	not available	not available	Duke, 1992 *
RHAMNOGALACTURONAN-I	0	Tissue Culture	not available	not available	not available	Duke, 1992 *
RIBOFLAVIN	15	Seed	0.5	0.7	-1.08	Duke, 1992 *
RIBOTIDE-CIS-ZEATIN	0	Root	not available	not available	not available	Duke, 1992 *
RIBOTIDE-TRANS-ZEATIN	0	Root	not available	not available	not available	Duke, 1992 *
SATIVIC-ACID	0	Sprout Seedling	not available	not available	not available	Duke, 1992 *
SCHAFTOSIDE	1	Leaf	not available	not available	not available	Duke, 1992 *
SERINE	1	Plant	not available	not available	not available	Duke, 1992 *
SHIKIMIC-ACID	14	Leaf	not available	not available	not available	Duke, 1992 *
SILICA	0	Plant	not available	140000.0	1.34	Duke, 1992 *
SILICIC-ACID	1	Leaf	not available	not available	not available	Duke, 1992 *
SODIUM	1	Plant	not available	3500.0	-0.11	Duke, 1992 *
SODIUM	1	Seed	90.0	939.0	0.77	Duke, 1992 *
SQUALENE	10	Seed	not available	not available	not available	Duke, 1992 *
STARCH	5	Seed	722000.0	749000.0	1.78	Duke, 1992 *
STEARIC-ACID	8	Seed	150.0	270.0	-0.56	Duke, 1992 *
STIGMASTEROL	12	Juice	not available	not available	not available	Duke, 1992 *
SUCROSE	14	Seed	3000.0	4800.0	-0.63	Duke, 1992 *
SULFUR	14	Plant	not available	1000.0	-1.22	Duke, 1992 *

Chemical Name	Activity Count	Plant Part	Low Parts Per Million	High Parts Per Million	Standard Deviation	Reference
TARAXANTHIN	0	Plant	not available	not available	not available	Duke, 1992 *
THIAMIN	31	Seed	2.2	3.9	-0.64	Duke, 1992 *
THREONINE	4	Hay	not available	not available	not available	Duke, 1992 *
TOCOPHERONE	0	Wax	not available	not available	not available	Duke, 1992 *
TRANS-ACONITIC-ACID	2	Shoot	not available	not available	not available	Duke, 1992 *
TRIACONTANOL-(1)	0	Sprout Seedling	not available	not available	not available	Duke, 1992 *
TRICIN	9	Petiole	not available	0.1	not available	Duke, 1992 *
TRICIN	9	Plant	not available	not available	not available	Duke, 1992 *
TRICIN-5-GLUCOSIDE	0	Plant	not available	not available	not available	Duke, 1992 *
TRICIN-5-O-BETA-D-GLUCOSIDE	0	Plant	not available	not available	not available	Duke, 1992 *
TRIGLYCOSYL-CERAMIDE	0	Shoot	not available	1.0	not available	Duke, 1992 *
TRIGONELLINE	15	Sprout Seedling	not available	not available	not available	Duke, 1992 *
TRIMETHYLAMINE	1	Seed	not available	not available	not available	Duke, 1992 *
TYROSINE	8	Plant	not available	not available	not available	Duke, 1992 *
UNDECYLIC-ACID	0	Plant	not available	not available	not available	Duke, 1992 *
URACIL	0	Seed	not available	not available	not available	Duke, 1992 *
VALINE	3	Hay	not available	not available	not available	Duke, 1992 *
VANILLIC-ACID	24	Plant	not available	not available	not available	Duke, 1992 *
VERNOLIC-ACID	0	Shoot	not available	0.1	not available	Duke, 1992 *
VIOLANTHIN	0	Plant	not available	not available	not available	Duke, 1992 *
VIOLAXANTHIN	2	Plant	not available	not available	not available	Duke, 1992 *
WATER	0	Seed	not available	103000.0	-0.48	Duke, 1992 *
XANTHINE	1	Plant	not available	not available	not available	Duke, 1992 *
XANTHOPHYLL	3	Plant	not available	not available	not available	Duke, 1992 *
XYLOSE	3	Seed	not available	not available	not available	Duke, 1992 *