

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Lupinus albus*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
4	(-)-SPARTEINE	Seed				--
0	13-HYDROXYMULTIFLORONE	Seed				--
0	13-OXYMULTIFLORINE	Seed				--
3	2'-HYDROXYGENISTEIN	Leaf				--
0	22,23-DIHYDROSTIGMASTEROL	Seed				--
0	5-DEHYDRO-13-HYDROXYMULTIFLORONE	Seed				--
0	5-DEHYDRO-13-OXYMULTIFLORINE	Seed				--
0	ACYCLOXYLUPANINE	Seed				--
3	ALANINE	Seed	12960.0	14470.0	0.9170226228696556	--
0	ALBINE	Plant				--
0	ALKALOIDS	Seed	10000.0	27400.0	0.6049563794841558	--
0	ALLANTOIC-ACID	Sprout Seedling				--
12	ALLANTOIN	Sprout Seedling				--
0	ANGUSTIFOLINE	Seed	5.0	30.0		--
14	ARGININE	Seed	38770.0	44400.0	0.8366943841656878	--
0	ASH	Seed	32800.0	36580.0	-0.3398806365087161	--
2	ASPARAGINE	Seed		116340.0	1.0	--
3	ASPARTIC-ACID	Seed	38770.0	43290.0	1.837744307856741	--
28	CALCIUM	Seed	1760.0	1965.0	-0.40063486459844927	--
0	CARBOHYDRATES	Seed	367000.0	450370.0	-0.290245062198914	--
1	CEPHALIN	Seed				--
23	CITRIC-ACID	Seed				--
12	COPPER	Seed	10.0	12.0	-0.2552864959153795	--
2	CYSTINE	Seed	4460.0	4980.0	1.2731259245727116	--
0	DEHYDROALBINE	Plant				--
2	ERUCIC-ACID	Seed	930.0	1040.0	-0.8043698886448047	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	FAT	Seed	97400.0	108630.0	-0.8256983051293483	--
15	FIBER	Seed	137700.0	153600.0	0.1486152305024654	--
0	GADOLEIC-ACID	Seed	2550.0	2850.0	-0.30408589128240854	--
81	GENISTEIN	Hypocotyl				--
8	GLUTAMIC-ACID	Seed	21650.0	96985.0	2.3319656034068434	--
12	GLYCINE	Seed	15390.0	17185.0	0.9011559745223087	--
4	GLYCOLIC-ACID	Seed				--
7	HISTIDINE	Seed	10300.0	11500.0	1.4291755119543776	--
0	HOMOGENITISINIC-ACID	Sprout Seedling				--
0	HYDROXYLUPANINE	Seed	19.0	290.0		--
6	IRON	Seed	43.0	49.0	-0.47296194458454466	--
3	ISOLEUCINE	Seed	16150.0	18030.0	0.9619171054456013	--
0	KILOCALORIES	Seed	3710.0	4140.0	-0.5625500601126422	--
7	LAURIC-ACID	Seed	80.0	90.0	-0.5115240190533513	--
20	LECITHIN	Seed				--
2	LEUCINE	Seed	19000.0	30625.0	1.2963725792058691	--
27	LINOLEIC-ACID	Seed	19950.0	22275.0	-0.726979204211212	--
0	LINOLENIC-ACID	Seed	4460.0	4980.0	-0.492923694424475	--
3	LUPANINE	Seed	40.0	140.0		--
21	LUPEOL	Seed				--
4	LYSINE	Seed	19330.0	21585.0	1.2849819611491902	--
65	MAGNESIUM	Seed	1980.0	2200.0	-0.2947807573698167	--
15	MALIC-ACID	Seed				--
15	METHIONINE	Seed	2550.0	2850.0	-0.3782387935104158	--
0	METHYL-ALBINE	Seed				--
13	MUFA	Seed	39400.0	43990.0	-0.473371922127144	--
0	MULTIFLORINE	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
6	MYRISTIC-ACID	Seed	130.0	145.0	-0.2941050421963658	--
39	NIACIN	Seed	22.0	24.0	-0.5653371145111872	--
18	OLEIC-ACID	Seed	35580.0	39725.0	-0.6525373870116628	--
9	OXALIC-ACID	Seed				--
13	PALMITIC-ACID	Seed	7420.0	8275.0	-0.5288609495059398	--
2	PALMITOLEIC-ACID	Seed	340.0	380.0	-0.28934587512665705	--
7	PHENYLALANINE	Seed	14350.0	16025.0	0.5355372674604459	--
4	PHOSPHORUS	Seed	4400.0	4900.0	-0.11980273674659814	--
2	PIPECOLIC-ACID	Stem				--
14	POTASSIUM	Seed	10130.0	11300.0	-0.11169307962545023	--
0	PROLINE	Seed	14760.0	16480.0	1.0106136704880937	--
0	PROTEIN	Seed	361700.0	403400.0	1.508714813525159	--
4	PUFA	Seed	24390.0	27235.0	-0.5985454209700596	--
15	RIBOFLAVIN	Seed	2.0	3.0	-0.20090831129253928	--
1	SERINE	Seed	18690.0	20870.0	1.9731747072660002	--
0	SFA	Seed	11560.0	12895.0	-0.4517353384093307	--
1	SODIUM	Seed	150.0	165.0	-0.4537924180538136	--
21	SPARTEINE	Seed				--
8	STEARIC-ACID	Seed	3160.0	3525.0	-0.4889095101170368	--
7	SUCCINIC-ACID	Seed				--
31	THIAMIN	Seed	6.0	7.0	0.09921569102976133	--
4	THREONINE	Seed	13310.0	14860.0	1.503797204218498	--
15	TRIGONELLINE	Sprout Seedling				--
29	TRYPTOPHAN	Seed	2890.0	3225.0	-0.03413492710997161	--
8	TYROSINE	Seed	13600.0	15185.0	1.7243762054005387	--
3	VALINE	Seed	15100.0	16860.0	0.5971360116437736	--
28	VANILLIN	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	VERNINE	Seed				--
0	WATER	Seed		104400.0	-0.47279703347641056	--
77	ZINC	Seed	47.0	53.0	0.22337262467547583	--