

**Dr. Duke's Phytochemical and Ethnobotanical Databases**  
**Chemicals found in Colocasia esculenta**

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
3	ALANINE	Root	730.0	2485.0	-0.47112177808049205	--
5	ALUMINUM	Root		3.9	-0.31038763777077877	--
5	ALUMINUM	Leaf		18.0	-0.7612563354316205	--
14	ARGININE	Leaf	2200.0	15340.0	-0.26636491329443446	--
14	ARGININE	Root	1030.0	3510.0	-0.3630402548138207	--
112	ASCORBIC-ACID	Root	0.0	325.0	-0.4601891237902518	--
112	ASCORBIC-ACID	Leaf	69.0	3625.0	-0.10756628893971032	--
3	ASPARTIC-ACID	Root	1920.0	6540.0	-0.4441573818769071	--
53	BETA-CAROTENE	Root	0.0	0.8	-0.4313068290161624	--
53	BETA-CAROTENE	Leaf	18.0	298.0	0.1598349118101891	--
4	BORON	Root	0.9	7.0	-0.6303878985171054	--
4	BORON	Leaf		3.6	-1.570681638833287	--
28	CALCIUM	Root	130.0	3780.0	-0.3967624461543322	--
28	CALCIUM	Leaf	260.0	17400.0	-0.0708681113251486	--
4	CALCIUM-OXALATE	Leaf		4000.0		--
4	CALCIUM-OXALATE	Root		430.0	-0.6112949906968934	--
12	COPPER	Root	1.6	8.0	-0.41187569962209786	--
12	COPPER	Leaf		1.5	-0.7198376979787277	--
2	CYSTINE	Root	320.0	1090.0	0.4682012129533965	--
2	CYSTINE	Leaf	640.0	4465.0	1.3057241772287957	--
15	FIBER	Root	6100.0	37000.0	-1.1351104905200855	--
15	FIBER	Leaf	12000.0	150000.0	-0.14264251681918985	--
1	GALACTOSE	Root	35200.0	94100.0	1.0	--
8	GLUTAMIC-ACID	Root	1740.0	5925.0	-0.7882497491807205	--
12	GLYCINE	Root	740.0	2520.0	-0.20021555430297686	--
7	HISTIDINE	Leaf	1140.0	7950.0	1.291622753561952	--
7	HISTIDINE	Root	340.0	1160.0	-0.6155608858425589	--

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2	HOMOGENISIC-ACID	Rhizome				--
6	IRON	Root	4.0	200.0	-0.15109510767581333	--
6	IRON	Leaf	6.0	200.0	-0.41363063591366483	--
3	ISOLEUCINE	Root	540.0	1840.0	-0.8492712703811371	--
3	ISOLEUCINE	Leaf	2600.0	18130.0	1.5626742172489188	--
2	LEUCINE	Root	1110.0	3780.0	-0.33304835237199976	--
2	LEUCINE	Leaf	3920.0	27335.0	1.6664473424152801	--
27	LINOLEIC-ACID	Root	580.0	1975.0	-0.42728119909165674	--
27	LINOLEIC-ACID	Leaf	2140.0	14925.0	1.1399185011498951	--
4	LYSINE	Root	670.0	2280.0	-1.337088420058833	--
4	LYSINE	Leaf	2460.0	17155.0	0.9762979034592439	--
65	MAGNESIUM	Root	200.0	1350.0	-0.6446692314033533	--
65	MAGNESIUM	Leaf	200.0	3140.0	-0.38062920328461125	--
14	MANGANESE	Root	1.3	7.6	-0.45512229429004925	--
14	MANGANESE	Leaf		45.0	-0.3850752536362415	--
15	METHIONINE	Root	200.0	680.0	-0.6904144116241244	--
15	METHIONINE	Leaf	790.0	5510.0	2.0138870768236075	--
3	MUCILAGE	Root	40000.0	10700.0	-1.2340210323726266	--
13	MUFA	Root	160.0	454.0	-0.7720223522528064	--
13	MUFA	Leaf	600.0	4185.0	-0.32118856157696957	--
39	NIACIN	Root	4.0	40.0	-0.2967464981001523	--
39	NIACIN	Leaf	8.0	105.0	0.0912175629598078	--
18	OLEIC-ACID	Root	160.0	545.0	-0.5120306819906923	--
18	OLEIC-ACID	Leaf	600.0	4185.0	-0.07626389745599621	--
9	OXALIC-ACID	Root		1334.0	0.19298878287100935	--
13	PALMITIC-ACID	Root	350.0	1190.0	-0.34554784730216076	--
13	PALMITIC-ACID	Leaf	1310.0	9135.0	-0.2132427756772741	--

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7	PHENYLALANINE	Root	820.0	2795.0	-0.08751605966945845	--
7	PHENYLALANINE	Leaf	1950.0	13600.0	0.8578607469893136	--
4	PHOSPHORUS	Root	460.0	5204.0	0.29629108522327463	--
4	PHOSPHORUS	Leaf	490.0	5800.0	0.1524415734844862	--
2	PHYTOSTEROLS	Root	190.0	650.0	-0.6369259541932486	--
14	POTASSIUM	Root	3230.0	21760.0	0.437965218951127	--
14	POTASSIUM	Leaf	4370.0	51774.0	0.9462974931294869	--
4	PUFA	Root	830.0	2825.0	-0.9409312988444799	--
4	PUFA	Leaf	3070.0	21410.0	0.2548216281019925	--
15	RIBOFLAVIN	Root	0.2	1.6	-0.5415349954750799	--
15	RIBOFLAVIN	Leaf	3.0	35.0	-0.013799526623899577	--
1	SERINE	Root	920.0	3135.0	-0.12829255177550616	--
1	SODIUM	Root	7.0	480.0	-0.28927728703681393	--
1	SODIUM	Leaf	20.0	484.0	-0.5613231718235774	--
5	STARCH	Root	245000.0	262000.0	-0.2247900846915615	--
5	STARCH	Leaf		700.0	-0.9358976460559516	--
8	STEARIC-ACID	Root	60.0	205.0	-0.39260531591196624	--
8	STEARIC-ACID	Plant		200.0	-0.7284502542579766	--
14	SULFUR	Root	85.0	565.0	-0.6372036023987859	--
14	SULFUR	Leaf		240.0	-1.0792551963959383	--
31	THIAMIN	Root	0.3	5.0	-0.1489566935533975	--
31	THIAMIN	Leaf	1.3	17.0	1.8121416088410889	--
4	THREONINE	Root	690.0	2350.0	-0.4070372565590599	--
4	THREONINE	Leaf	1670.0	11645.0	0.6221329036989475	--
29	TRYPTOPHAN	Root	230.0	785.0	-0.18678089360655542	--
29	TRYPTOPHAN	Leaf	480.0	3345.0	0.3454137038650008	--
8	TYROSINE	Root	550.0	1875.0	-0.2171558581279968	--

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8	TYROSINE	Leaf	1780.0	12415.0	1.223656985827951	--
3	VALINE	Leaf	2560.0	17850.0	1.4458075322995907	--
3	VALINE	Root	820.0	2790.0	-0.7458427787764775	--
77	ZINC	Root	5.0	66.0	1.8317017479834359	--
77	ZINC	Leaf		6.6	-0.486263777084415	--