

**Dr. Duke's Phytochemical and Ethnobotanical Databases**  
**Chemicals found in Corchorus olitorius**

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
3	VALINE	Leaf	2480.0	20185.0	2.1004299585346904	--
8	TYROSINE	Leaf	830.0	11965.0	1.0987158336278033	--
29	TRYPTOPHAN	Leaf	300.0	4000.0	1.0164204670792145	--
4	THREONINE	Leaf	890.0	13350.0	1.193764539597335	--
31	THIAMIN	Leaf	1.3	10.8	0.5200383903153659	--
6	STROPHANTHIDIN	Plant				--
8	STEARIC-ACID	Seed	4180.0	5475.0	-0.4466011317344418	--
8	STEARIC-ACID	Leaf	60.0	490.0	-0.3025782228423614	--
1	SODIUM	Leaf	80.0	755.0	-0.513191707355058	--
1	SERINE	Leaf	1820.0	14815.0	0.9209661008188389	--
15	RIBOFLAVIN	Leaf	2.6	44.0	0.02838784393097102	--
1	RAFFINOSE	Seed				--
4	PUFA	Leaf	1200.0	9750.0	-1.34102461168069	--
14	POTASSIUM	Leaf	4440.0	45500.0	0.6692516796385478	--
4	PHOSPHORUS	Leaf	830.0	6755.0	0.3281491365143884	--
7	PHENYLALANINE	Leaf	1170.0	17250.0	1.7998776511258276	--
2	PALMITOLEIC-ACID	Leaf	30.0	245.0	-0.31478797946327436	--
13	PALMITIC-ACID	Seed	19000.0	25000.0	-0.18376993157030574	--
13	PALMITIC-ACID	Leaf	300.0	2440.0	-0.34356424673717206	--
18	OLEIC-ACID	Seed	10280.0	13470.0	-0.8683689025532553	--
18	OLEIC-ACID	Leaf	140.0	1140.0	-0.5127743631580797	--
39	NIACIN	Leaf	11.0	102.0	0.05472679513303063	--
13	MUFA	Leaf	170.0	1385.0	-0.5932302509245516	--
3	MUCILAGE	Plant				--
15	METHIONINE	Leaf	460.0	5290.0	1.8310389168326386	--
65	MAGNESIUM	Leaf	640.0	5200.0	0.4148070206225177	--
4	LYSINE	Leaf	1540.0	17825.0	1.1288544125871007	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
27	LINOLEIC-ACID	Leaf	1170.0	9525.0	0.22726258938611646	--
27	LINOLEIC-ACID	Seed	70625.0	92500.0	-0.12528443238707443	--
1	LIGNOCERIC-ACID	Seed	1240.0	1630.0	-0.3970056014789837	--
2	LEUCINE	Leaf	2470.0	31580.0	2.3201646767215256	--
3	ISOLEUCINE	Leaf	2000.0	18000.0	1.5291846609939963	--
6	IRON	Leaf	47.0	485.0	0.30876955843896164	--
7	HISTIDINE	Leaf	690.0	8950.0	1.7934786862628123	--
1	HELVETICOSIDE	Seed				--
9	HCN	Plant				--
12	GLYCINE	Leaf	2140.0	17420.0	1.8601048215209302	--
8	GLUTAMIC-ACID	Leaf	4930.0	40130.0	0.11928753607118647	--
15	FOLACIN	Leaf	8.0	32.0	2.349502209241716	--
15	FIBER	Leaf	12000.0	107000.0	-0.6743868261942322	--
2	CYSTINE	Leaf	400.0	3250.0	0.2816342955549686	--
1	CORCHOROSIDE-A	Plant				--
77	CHLOROGENIC-ACID	Leaf				--
28	CALCIUM	Leaf	2080.0	18365.0	-0.004931933526407184	--
53	BETA-CAROTENE	Leaf	33.0	495.0	1.017759374259011	--
1	BEHENIC-ACID	Seed	2030.0	2665.0	-0.4286179416836623	--
3	ASPARTIC-ACID	Leaf	5670.0	46150.0	1.206772682673444	--
112	ASCORBIC-ACID	Leaf	370.0	4080.0	-0.06534808682753686	--
14	ARGININE	Leaf	1830.0	20185.0	0.06549601306311933	--
3	ALANINE	Leaf	2560.0	20840.0	1.917441656254907	--