

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Oryza sativa*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	24-METHYLENE-CYCLOARTANOL	Plant	--	--		
6	ACETALDEHYDE	Plant	--	--		
3	ACETONE	Plant	--	--		
11	ADENINE	Seed	--	--		
12	ALLANTOIN	Seed	--	--		
32	ALPHA-TOCOPHEROL	Seed	--	--		
1	ANTHERAXANTHIN	Plant	--	--		
2	ARSENIC	Seed	0.211	0.211	1.5951685300488623	
112	ASCORBIC-ACID	Seed	--	--		
2	ASPARAGINE	Juice	--	--		
3	ASPARTIC-ACID	Hay	--	--		
1	BEHENIC-ACID	Seed	--	--		
53	BETA-CAROTENE	Seed	--	--		
47	BETA-SITOSTEROL	Juice	--	--		
47	BETA-SITOSTEROL	Sprout Seedling	--	--		
3	CADMIUM	Seed	0.18	0.18	-0.25689996156193823	
28	CALCIUM	Plant	1900	3300	-1.1006215509188604	
28	CALCIUM	Seed	71	364	-0.6946712393018217	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	CAMPESTEROL	Plant	--	--		
1	CARLINOSIDE	Leaf	--	--		
1	CELLULOSE	Petiole	190000	210000		
1	CELLULOSE	Plant	340000	534600	1.878590737597453	
20	CHOLINE	Seed	880	880	-0.7457854239115329	
5	CYANIN	Plant	--	--		
7	CYCLOARTENOL	Plant	--	--		
3	CYCLOEUCALENOL	Seed	--	--		
13	CYSTEINE	Plant	--	--		
2	DIMETHYL-AMINE	Seed	--	--		
5	ERGOSTEROL	Sprout Seedling	--	--		
61	FERULIC-ACID	Plant	--	--		
15	FIBER	Plant	334000	350000	0.9403887658445301	
15	FIBER	Seed	8000	121000	-0.10879993730972154	
6	FURFURAL	Petiole	90000	100000		
14	GAMMA-TOCOPHEROL	Seed	--	--		
7	GLUCOSE	Seed	14500	26500	0.1017379479496296	
8	GLUTAMIC-ACID	Hay	--	--		
12	GLYCINE	Plant	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	GUANIDINE	Seed	--	--		
1	GUANINE	Seed	--	--		
5	HEXANAL	Plant	--	--		
3	HEXANOL	Plant	--	--		
6	IRON	Seed	14	85	-0.3056949154022057	
16	ISOEUGENOL	Plant	--	--		
3	ISOLEUCINE	Hay	--	--		
20	LECITHIN	Plant	--	--		
2	LEUCINE	Hay	--	--		
13	LIGNIN	Plant	45000	255300	0.6921533291790163	
1	LIGNOCERIC-ACID	Seed	--	--		
27	LINOLEIC-ACID	Seed	6600	11880	-0.8160445962099575	
15	LUTEIN	Plant	--	--		
4	LYSINE	Hay	--	--		
1	LYSOLECITHIN	Seed	--	--		
65	MAGNESIUM	Plant	1100	2200	-0.5793608934861032	
1	MERCURY	Seed	0.167	0.167	0.29845806205818587	
15	METHIONINE	Plant	--	--		
1	NEOSCHAFTOSIDE	Leaf	--	--		

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2	NEOXANTHIN	Plant	--	--		
39	NIACIN	Seed	40	65	0.6619614710877286	
3	NICKEL	Seed	1.632	1.632	-0.5968299278537603	
1	NICOTIANAMINE	Sprout Seedling	--	--		
18	OLEIC-ACID	Seed	4500	8100	-0.9125134555320537	
9	OXALIC-ACID	Seed	46	46	-0.665731071264505	
12	P-AMINOBENZOIC-ACID	Plant	--	--		
25	P-COUMARIC-ACID	Petiole	0.9	0.9		
13	P-HYDROXY-BENZOIC-ACID	Plant	--	--		
13	PALMITIC-ACID	Seed	1800	3240	-0.6327493366692233	
1	PANGAMIC-ACID	Petiole	--	--		
11	PANTOTHENIC-ACID	Seed	6	17	0.026882779342101273	
4	PHOSPHORUS	Plant	600	3478	-0.05317465610198457	
4	PHOSPHORUS	Seed	528	5588	0.0620074671795556	
14	POTASSIUM	Plant	12000	12600	-0.6414067491432748	
14	POTASSIUM	Seed	1000	2431	-0.891663999037337	
43	PYRIDOXINE	Seed	4	10	0.9653072991634226	
1	QUINIC-ACID	Leaf	--	--		
15	RIBOFLAVIN	Seed	0.5	0.7	-1.0823929498985099	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	SCHAFTOSIDE	Leaf	--	--		
1	SERINE	Plant	--	--		
14	SHIKIMIC-ACID	Leaf	--	--		
1	SILICIC-ACID	Leaf	--	--		
1	SODIUM	Seed	90	939	0.7748692106587315	
1	SODIUM	Plant	3500	3500	-0.11033102759800023	
10	SQUALENE	Seed	--	--		
5	STARCH	Seed	722000	749000	1.7770468558505592	
8	STEARIC-ACID	Seed	150	270	-0.5595319571095223	
12	STIGMASTEROL	Juice	--	--		
14	SUCROSE	Seed	3000	4800	-0.6296023412117899	
14	SULFUR	Plant	1000	1000	-1.215569358934881	
31	THIAMIN	Seed	2.2	3.9	-0.6403921875557287	
4	THREONINE	Hay	--	--		
2	TRANS-ACONITIC-ACID	Shoot	--	--		
9	TRICIN	Petiole	0.066	0.066		
9	TRICIN	Plant	--	--		
15	TRIGONELLINE	Sprout Seedling	--	--		
1	TRIMETHYLAMINE	Seed	--	--		

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8	TYROSINE	Plant	--	--		
3	VALINE	Hay	--	--		
24	VANILLIC-ACID	Plant	--	--		
2	VIOLAXANTHIN	Plant	--	--		
1	XANTHINE	Plant	--	--		
3	XANTHOPHYLL	Plant	--	--		
3	XYLOSE	Seed	--	--		