

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Lentinus edodes*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	ZEATIN-RIBOSIDE	Tissue Culture				--
2	ZEATIN	Tissue Culture				--
2	ZEATIN	Mycelium				--
3	VALINE	Fruit				--
8	TYROSINE	Fruit				--
29	TRYPTOPHAN	Fruit				--
4	THREONINE	Fruit				--
0	THIAZOLIDINE-4-CARBOXYLIC-ACID	Fruit				--
0	TETRATHIANE	Fruit				--
6	TAURINE	Fruit				--
1	SERINE	Fruit				--
0	SACCHAROPINE-LACTAM	Fruit				--
0	SACCHAROPINE	Fruit		44.0		--
0	PROLINE	Fruit				--
0	PHOSPHATIDYL-ETHANOLAMINE	Fruit				--
2	PHOSPHATIDYL-CHOLINE	Fruit				--
7	PHENYLALANINE	Fruit				--
13	PALMITIC-ACID	Fruit				--
5	ORNITHINE	Fruit				--
18	OLEIC-ACID	Fruit				--
0	OCTAN-3-ONE	Fruit				--
0	OCTAN-1-OL	Fruit				--
0	OCT-2-EN-1-OL	Fruit				--
0	OCT-1-EN-3-OL	Fruit				--
0	NICOTIANINE	Fruit				--
0	N-N'-BIS-GAMMA-GLUTAMYL-CYSTINE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	METHYLHYDRODISULFIDE	Fruit				--
15	METHIONINE	Fruit				--
0	METHANETHIOL	Fruit				--
4	LYSINE	Fruit				--
27	LINOLEIC-ACID	Fruit				--
2	LEUCINE	Fruit				--
0	LENTINUS-POLYSACCHARIDE-E	Mycelium				--
0	LENTINUS-LIGNIN-EP3	Mycelium				--
0	LENTINUS-FRUITING-BODY-PROTEIN(FBP)	Fruit		1.0		--
0	LENTINUS-EDODES-VIRUS-PARTICLE-F	Plant				--
0	LENTINUS-EDODES-VIRUS-PARTICLE	Plant				--
0	LENTINUS-EDODES-POLYSACCHARIDE	Mycelium				--
0	LENTINUS-EDODES-GLYCOPROTEIN	Fruit				--
0	LENTINUS-EDODES-BETA-GLUCAN	Fruit				--
0	LENTINUS-EDODES-BAGASSE-POLYSACCHARIDE-ANTIBIOTIC-C-1-2	Mycelium				--
0	LENTINUS-EDODES-ANTITUMOR-SUBSTANCE	Fruit				--
0	LENTINUS-EDODES-ALPHA-GLUCAN	Fruit				--
0	LENTINUS-ANTIBIOTIC-KS-2-A	Mycelium				--
0	LENTINIC-ACID	Fruit				--
0	LENTHIONINE	Fruit				--
0	ISOPENTENYL-ADENOSINE	Tissue Culture				--
0	ISOPENTENYL-ADENINE	Tissue Culture				--
3	ISOLEUCINE	Fruit				--
7	HISTIDINE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
12	GLYCINE	Fruit				--
8	GLUTAMIC-ACID	Fruit				--
0	GLUCAN	Fruit				--
0	GAMMA-GLUTAMYL-TRANSFERASE	Fruit				--
0	GAMMA-GLUTAMYL-NICOTIANINE	Fruit				--
0	GAMMA-GLUTAMYL-GLUTAMIC-ACID	Fruit				--
22	GAMMA-AMINOBUTYRIC-ACID	Fruit				--
0	ERITADENINE	Fruit	500.0	930.0		--
0	EMITANIN-B	Tissue Culture				--
0	EMITANIN-1A	Tissue Culture				--
0	DITHIOMETHANE	Fruit				--
0	DIMETHYLTETRASULFIDE	Fruit				--
0	DIMETHYL-TRISULFIDE	Fruit				--
2	DIMETHYL-DISULFIDE	Fruit				--
1	DIHYDROZEATIN	Tissue Culture				--
0	DEOXYERITADENINE	Fruit	85.0	136.0		--
2	CYSTINE	Fruit				--
0	CYSTATHIONINE	Fruit				--
0	CEREBROSIDE-X	Fruit				--
0	CEREBROSIDE-VIII	Fruit				--
0	CEREBROSIDE-VII	Fruit				--
0	CEREBROSIDE-VI	Fruit				--
0	CEREBROSIDE-V	Fruit				--
0	CEREBROSIDE-LEN-IV	Fruit				--
0	CEREBROSIDE-LEN-III	Fruit				--
0	CEREBROSIDE-LEN-II	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CEREBROSIDE-LEN-I	Fruit				--
0	CEREBROSIDE-IX	Fruit				--
0	CARDIOLIPIN	Fruit				--
0	CARBON-DISULFIDE	Fruit				--
0	BIS-((METHYL-SULFONYL)-METHYL)-DISULFIDE	Fruit		53.6		--
3	ASPARTIC-ACID	Fruit				--
14	ARGININE	Fruit				--
0	AMINO-ACIDS	Fruit				--
0	ALPHA-AMINO-BUTYRIC-ACID	Fruit				--
0	ALLOISOLEUCINE	Fruit				--
3	ALANINE	Fruit				--
0	5'-CYCLIC-AMP	Fruit	400.0	690.0		--
0	2-3-5-6-TETRATHIAHEPTANE	Fruit				--
0	1-3-DITHIETANE	Fruit				--
0	1-3-5-TRITHIANE	Fruit				--
0	1-2-4-TRITHIOLANE	Fruit				--
0	1-2-4-7-9-10-HEXATHIADODECANE	Fruit				--
0	1-2-4-6-TETRATHIEPANE	Fruit				--
0	1-2-4-5-TETRATHIANE	Fruit				--
0	1-2-4-5-7-PENTATHIOCANE	Fruit				--
0	1-2-3-5-TETRATHIANE	Fruit				--
0	1-2-3-5-6-8-HEXATHIONANE	Fruit				--
0	1-(METHYL-THIO)-DIMETHYL-DISULFIDE	Fruit				--