

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Lentinus edodes*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	1-(METHYL-THIO)-DIMETHYL-DISULFIDE	Fruit	--	--		
0	1-2-3-5-6-8-HEXATHIONANE	Fruit	--	--		
0	1-2-3-5-TETRATHIANE	Fruit	--	--		
0	1-2-4-5-7-PENTATHIOCANE	Fruit	--	--		
0	1-2-4-5-TETRATHIANE	Fruit	--	--		
0	1-2-4-6-TETRATHIEPANE	Fruit	--	--		
0	1-2-4-7-9-10-HEXATHIADODECANE	Fruit	--	--		
0	1-2-4-TRITHIOLANE	Fruit	--	--		
0	1-3-5-TRITHIANE	Fruit	--	--		
0	1-3-DITHIETANE	Fruit	--	--		
0	2-3-5-6-TETRATHIAHEPTANE	Fruit	--	--		
0	5'-CYCLIC-AMP	Fruit	400	690		
3	ALANINE	Fruit	--	--		
0	ALLOISOLEUCINE	Fruit	--	--		
0	ALPHA-AMINO-BUTYRIC-ACID	Fruit	--	--		
0	AMINO-ACIDS	Fruit	--	--		
14	ARGININE	Fruit	--	--		
3	ASPARTIC-ACID	Fruit	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	BIS-((METHYL-SULFONYL)-METHYL)-DISULFIDE	Fruit	--	53.6		
0	CARBON-DISULFIDE	Fruit	--	--		
0	CARDIOLIPIN	Fruit	--	--		
0	CEREBROSIDE-IX	Fruit	--	--		
0	CEREBROSIDE-LEN-I	Fruit	--	--		
0	CEREBROSIDE-LEN-II	Fruit	--	--		
0	CEREBROSIDE-LEN-III	Fruit	--	--		
0	CEREBROSIDE-LEN-IV	Fruit	--	--		
0	CEREBROSIDE-V	Fruit	--	--		
0	CEREBROSIDE-VI	Fruit	--	--		
0	CEREBROSIDE-VII	Fruit	--	--		
0	CEREBROSIDE-VIII	Fruit	--	--		
0	CEREBROSIDE-X	Fruit	--	--		
0	CYSTATHIONINE	Fruit	--	--		
2	CYSTINE	Fruit	--	--		
0	DEOXYERITADENINE	Fruit	85	136		
1	DIHYDROZEATIN	Tissue Culture	--	--		
2	DIMETHYL-DISULFIDE	Fruit	--	--		
0	DIMETHYL-TRISULFIDE	Fruit	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	DIMETHYLTETRASULFIDE	Fruit	--	--		
0	DITHIOMETHANE	Fruit	--	--		
0	EMITANIN-1A	Tissue Culture	--	--		
0	EMITANIN-B	Tissue Culture	--	--		
0	ERITADENINE	Fruit	500	930		
22	GAMMA-AMINOBUTYRIC-ACID	Fruit	--	--		
0	GAMMA-GLUTAMYL-GLUTAMIC-ACID	Fruit	--	--		
0	GAMMA-GLUTAMYL-NICOTIANINE	Fruit	--	--		
0	GAMMA-GLUTAMYL-TRANSFERASE	Fruit	--	--		
0	GLUCAN	Fruit	--	--		
8	GLUTAMIC-ACID	Fruit	--	--		
12	GLYCINE	Fruit	--	--		
7	HISTIDINE	Fruit	--	--		
3	ISOLEUCINE	Fruit	--	--		
0	ISOPENTENYL-ADENINE	Tissue Culture	--	--		
0	ISOPENTENYL-ADENOSINE	Tissue Culture	--	--		
0	LENTHIONINE	Fruit	--	--		
0	LENTINIC-ACID	Fruit	--	--		
0	LENTINUS-ANTIBIOTIC-KS-2-A	Mycelium	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	LENTINUS-EDODES-ALPHA-GLUCAN	Fruit	--	--		
0	LENTINUS-EDODES-ANTITUMOR-SUBSTANCE	Fruit	--	--		
0	LENTINUS-EDODES-BAGASSE-POLYSACCHARIDE-ANTIBIOTIC-C-1-2	Mycelium	--	--		
0	LENTINUS-EDODES-BETA-GLUCAN	Fruit	--	--		
0	LENTINUS-EDODES-GLYCOPROTEIN	Fruit	--	--		
0	LENTINUS-EDODES-POLYSACCHARIDE	Mycelium	--	--		
0	LENTINUS-EDODES-VIRUS-PARTICLE	Plant	--	--		
0	LENTINUS-EDODES-VIRUS-PARTICLE-F	Plant	--	--		
0	LENTINUS-FRUITING-BODY-PROTEIN(FBP)	Fruit	--	1		
0	LENTINUS-LIGNIN-EP3	Mycelium	--	--		
0	LENTINUS-POLYSACCHARIDE-E	Mycelium	--	--		
2	LEUCINE	Fruit	--	--		
27	LINOLEIC-ACID	Fruit	--	--		
4	LYSINE	Fruit	--	--		
0	METHANETHIOL	Fruit	--	--		
15	METHIONINE	Fruit	--	--		
0	METHYLHYDRODISULFIDE	Fruit	--	--		
0	N-N'-BIS-GAMMA-GLUTAMYL-CYSTINE	Fruit	--	--		
0	NICOTIANINE	Fruit	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	OCT-1-EN-3-OL	Fruit	--	--		
0	OCT-2-EN-1-OL	Fruit	--	--		
0	OCTAN-1-OL	Fruit	--	--		
0	OCTAN-3-ONE	Fruit	--	--		
18	OLEIC-ACID	Fruit	--	--		
5	ORNITHINE	Fruit	--	--		
13	PALMITIC-ACID	Fruit	--	--		
7	PHENYLALANINE	Fruit	--	--		
2	PHOSPHATIDYL-CHOLINE	Fruit	--	--		
0	PHOSPHATIDYL-ETHANOLAMINE	Fruit	--	--		
0	PROLINE	Fruit	--	--		
0	SACCHAROPINE	Fruit	--	44		
0	SACCHAROPINE-LACTAM	Fruit	--	--		
1	SERINE	Fruit	--	--		
6	TAURINE	Fruit	--	--		
0	TETRATHIANE	Fruit	--	--		
0	THIAZOLIDINE-4-CARBOXYLIC-ACID	Fruit	--	--		
4	THREONINE	Fruit	--	--		
29	TRYPTOPHAN	Fruit	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
8	TYROSINE	Fruit	--	--		
3	VALINE	Fruit	--	--		
2	ZEATIN	Mycelium	--	--		
2	ZEATIN	Tissue Culture	--	--		
0	ZEATIN-RIBOSIDE	Tissue Culture	--	--		