

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Lepidium meyenii*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(1R,3S)-1-METHYL-TETRAHYDRO-BETA-CARBOLINE-3-CARBOXYLIC-ACID	Root	--	--		
0	4-METHOXY-GLUCOBRASSICIN	Root	--	--		
0	4-METHOXY-INDOYL-3-METHYLGLUCOSINOLATE	Seed	--	--		
0	5-METHYLSULFINYL-PENTYL-GLUCOSINOLATE	Root	--	--		
3	ALANINE	Root	--	6310	1.412119976372326	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
0	ALKALOIDS	Root	--	--		
0	ALLYL-GLUCOSINOLATE	Root	--	--		
0	ALLYL-GLUCOSINOLATE	Seed	--	--		
14	ARGININE	Root	--	9940	-0.04142984764922602	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
112	ASCORBIC-ACID	Root	25	2860	0.9889296502803575	
0	ASH	Root	--	50000	-0.5013998487298318	

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3	ASPARTIC-ACID	Root	--	9170	-0.10173197633284997	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
0	BENZYL-GLUCOSINOLATE	Root	--	--		
0	BENZYL-GLUCOSINOLATE	Seed	--	--		
2	BETA-ECDYSONE	Plant	--	--		Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
47	BETA-SITOSTEROL	Root	--	--		
28	CALCIUM	Root	2470	2500	-0.5369455425399515	
2	CAMPESTEROL	Root	--	--		
0	CARBOHYDRATES	Root	590000	750000	-1.02724083866397	
12	COPPER	Root	--	60	5.344894912759173	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
0	FAT	Root	16000	22000	-0.029340747310399002	
15	FIBER	Root	--	85000	-0.0691102900057954	
0	GLUCOALYSSIN	Root	--	--		
1	GLUCOBRASSICANAPIN	Root	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	GLUCOBRASSICIN	Root	--	--		
0	GLUCOLIMNANTHIN	Root	--	--		
0	GLUCOSINALBIN	Root	--	--		
0	GLUCOSINOLATES	Root	--	10000		
0	GLUCOSINOLATES	Seed	--	--		
0	GLUCOTROPAEOLIN	Root	--	17600	1	
0	GLUCOTROPAEOLIN	Seed	--	--		
8	GLUTAMIC-ACID	Root	--	15650	0.036202179116986435	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
12	GLYCINE	Root	--	6830	3.054585158741173	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
7	HISTIDINE	Root	--	4190	2.335075744508289	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
1	HYDROXYPROLINE	Root	--	260	1	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.

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0	INDOYL-3-METHYL-GLUCOSINOLATE	Root	--	--		
12	IODINE	Root	--	5	1	
0	KILOCALORIES	Root	--	3250	-0.25657997969934376	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
2	LEUCINE	Root	--	9100	2.752061643699893	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
27	LINOLEIC-ACID	Root	--	7	-1.1606758911782085	
4	LYSINE	Root	--	5450	1.5713957187833856	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
0	M-HYDROXYBENZYL-GLUCOSINOLATE	Root	--	--		
0	M-METHOXY-GLUCOTROPAEOLIN	Root	--	3600		
0	MACAENE	Root	--	--		
0	MACAMIDE	Root	--	--		
15	MALIC-ACID	Root	--	--		

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14	MANGANESE	Root	--	8	-0.45034592195379847	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
15	METHIONINE	Root	--	2800	2.9802528050357973	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
39	NIACIN	Root	--	56	0.16697022166568568	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
18	OLEIC-ACID	Root	--	3	-0.6970238802835188	
0	P-HYDROXYBENZYL-GLUCOSINOLATE	Root	--	--		
0	P-METHOXYBENZYL-GLUCOSINOLATE	Root	--	--		
0	P-METHOXYBENZYL-GLUCOSINOLATE	Seed	--	--		
0	P-METHOXYBENZYL-ISOTHIOCYANATE	Root	--	--		Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
13	PALMITIC-ACID	Root	--	5	-0.4023651521184354	
0	PENT-4-ENYL-GLUCOSINOLATE	Root	--	--		

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7	PHENYLALANINE	Root	--	5530	2.371625274535697	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
4	PHOSPHORUS	Root	--	1830	-0.29655213906071043	
2	PHYTOSTEROLS	Root	500	1000	0.23993125959775913	
14	POTASSIUM	Root	20000	20500	0.34570369623662744	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
0	PROLINE	Root	--	50	-1.2680029902432413	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
3	PROSTAGLANDIN	Root	--	--		
0	PROTEIN	Root	102000	160000	0.46699966940735554	
15	RIBOFLAVIN	Root	3.5	4	-0.0163136920018201	
5	SAPONINS	Root	--	--		
0	SARCOSINE	Root	--	70		Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.

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1	SERINE	Root	--	5040	0.9441788703333645	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
7	SINIGRIN	Root	--	--		
7	SINIGRIN	Seed	--	--		
1	SODIUM	Root	--	190	-0.4243056369606422	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
12	STIGMASTEROL	Root	--	--		
35	TANNIN	Root	--	--		
31	THIAMIN	Root	--	2	-0.41582954985618054	
4	THREONINE	Root	--	3310	-0.11939959274110076	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
29	TRYPTOPHAN	Root	--	490	-1.1462399615108778	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.

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8	TYROSINE	Root	--	3060	1.6978558023868027	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
0	URIDINE	Root	--	--		
3	VALINE	Root	--	7930	2.2458223495743743	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
0	VIT-B-6	Root	--	11	0.41907564596559793	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
11	VIT-B2	Root	--	4		Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
0	WATER	Root	--	153000	-4.0334820091822525	
77	ZINC	Root	--	38	0.6053662729829442	Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.