

**Dr. Duke's Phytochemical and Ethnobotanical Database**

**Chemicals Found in *Eruca sativa***

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	1-OCTEN-3-OL	Hs	--	--		
0	2-ACETYLTHIAZOLE	Hs	--	--		
0	2-METHYL-ANISOL	Hs	--	--		
1	2-OCTANOL	Hs	--	--		
0	2-PENTYL-FURANE	Hs	--	--		
2	3-OCTANOL	Hs	--	--		
0	3-OCTANONE	Hs	--	--		
0	4-MERCAPTOBUTYL-GLUCOSINOLATE	Leaf	--	--		
0	4-METHYL-SULFINYL-GLUCOSINOLATE	Leaf	--	--		
0	4-METHYL-THIO-BUTYL-GLUCOSINOLATE	Leaf	--	--		
0	4-METHYLTHIOBUTYL-ISOTHIOCYANATE	Hs	--	--		
1	4-PENTENYL-ISOTHIOCYANATE	Hs	--	--		
0	5-METHYLTHIO-PENTANENITRILE	Hs	--	--		
0	5-METHYLTHIO-PENTYL-ISOTHIOCYANATE	Hs	--	--		
6	ACETALDEHYDE	Hs	--	--		
16	ACETIC-ACID	Hs	--	--		
6	ACETOPHENONE	Hs	--	--		
0	ALKALOIDS	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
16	ALLYL-ISOTHIOCYANATE	Hs	--	--		
0	ASH	Seed	--	48000	0.003605897683216254	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	BEHENIC-ACID	Seed	4725	7370	0.011938566371308999	
24	BENZALDEHYDE	Hs	--	--		
9	BENZYL-ALCOHOL	Hs	--	--		
17	BENZYL-BENZOATE	Hs	--	--		
0	BETA-CARYOPHYLLENE	Hs	--	--		
0	BETA-CITRONELLOL	Hs	--	--		
0	BETA-FARNESOL	Hs	--	--		
1	CARVEOL	Hs	--	--		
19	CARVONE	Hs	--	--		
0	CIS-3-HEXENYL-2-METHYLBUTANOATE	Hs	--	--		
0	CIS-3-HEXENYL-ACETATE	Hs	--	--		
0	CIS-3-HEXENYL-BUTANOATE	Hs	--	--		
0	CIS-HEXEN-1-OL	Hs	--	--		
10	CUMINALDEHYDE	Hs	--	--		
0	CUMINYL-ALCOHOL	Hs	--	--		
2	DECANOL	Hs	--	--		
9	DELTA-CADINENE	Hs	--	--		
2	DODECANAL	Hs	--	--		
1	DODECANOL	Hs	--	--		
0	EICOSENOIC-ACID	Seed	16425	34400	1.5382213590576663	
2	ERUCIC-ACID	Seed	75150	161460	0.8881907855146446	
0	FAT	Seed	225000	351000	0.45095118042370613	
6	FURFURAL	Hs	--	--		
0	GLUCOERUCIN	Seed	--	--		
0	HEPTAN-3-OL	Hs	--	--		
1	HEXADECANOL	Hs	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	HEXANAL	Hs	--	--		
2	HEXANOIC-ACID	Hs	--	--		
3	HEXANOL	Hs	--	--		
0	HEXYL-OCTANOATE	Hs	--	--		
11	ISORHAMNETIN	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	ISORHAMNETIN-3-GLUCOSIDE	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	LIGNOCERIC-ACID	Seed	4050	6320	0.27875299328731745	
60	LIMONENE	Hs	--	--		
27	LINOLEIC-ACID	Seed	18675	53700	-0.45772668438816433	
0	LINOLENIC-ACID	Seed	32850	69150	0.6273254923866362	
0	METHYL-DODECANOATE	Hs	--	--		
20	METHYL-EUGENOL	Hs	--	--		
0	NONANAL	Hs	--	--		
2	NONANOIC-ACID	Hs	--	--		
0	NONANOL	Hs	--	--		
5	OCTANOIC-ACID	Hs	--	--		
0	OCTANOL	Hs	--	--		
18	OLEIC-ACID	Seed	22700	62475	-0.4655190294199192	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	PALMITIC-ACID	Seed	9000	18250	-0.3230443334277365	
0	PHYTOSTEROL	Seed	--	560		
0	PROTEIN	Seed	296000	374000	1.2471865879107757	
0	QUERCETIN-3'-(6-SINAPOYL-O-BETA-D-GLUCOPYRANOSYL)-3,4'-DI-O-BETA-D-GLUCOPYRANOSIDE	Leaf	--	--		
0	QUERCETIN-3,3',4'-TRI-O-BETA-D-GLUCOPYRANOSIDE	Leaf	--	--		
0	QUERCETIN-3-(2-SINAPOYL-O-BETA-D-GLUCOPYRANOSYL)-3'-(6-SINAPOYL-O-BETA-D-GLUCOPYRANOSYL)-4'-O-BETA-D-GLUCOPYRANOSIDE	Leaf	--	--		
0	SITOSTEROL	Seed	--	500		
8	STEARIC-ACID	Seed	2900	6600	-0.4221924518983293	
0	TETRAHYDROTHIOPHENE	Hs	--	--		
0	TRANS,TRANS-2,4-HEPTADIENAL	Hs	--	--		
4	TRANS-2-HEXENAL	Hs	--	--		
0	TRANS-2-NONENAL	Hs	--	--		
0	TRANS-HEXEN-1-OL	Hs	--	--		
2	UNDECANAL	Hs	--	--		