

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

**Chemicals Found in Brassica rapa**

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	ALANINE	Leaf	860	18378	1.3448014968550768	USDA's Ag Handbook 8 and sequelae)
15	ALPHA-LINOLENIC-ACID	Leaf	510	10899	0.7033316079638703	USDA's Ag Handbook 8 and sequelae)
32	ALPHA-TOCOPHEROL	Leaf	2	56	-0.9420576529445347	
14	ARGININE	Leaf	840	17951	-0.0875230394617054	USDA's Ag Handbook 8 and sequelae)
112	ASCORBIC-ACID	Leaf	450	9713	0.45732253404690976	USDA's Ag Handbook 8 and sequelae)
0	ASH	Leaf	8000	170960	0.9180844102219602	USDA's Ag Handbook 8 and sequelae)
3	ASPARTIC-ACID	Leaf	1080	23080	-0.24945182652340953	USDA's Ag Handbook 8 and sequelae)
53	BETA-CAROTENE	Leaf	18	385	0.5387152581708363	USDA's Ag Handbook 8 and sequelae)
28	CALCIUM	Leaf	1050	22440	0.2735032214268273	USDA's Ag Handbook 8 and sequelae)
0	CARBOHYDRATES	Leaf	21800	465866	-1.1609519109217432	USDA's Ag Handbook 8 and sequelae)
2	CYSTINE	Leaf	170	3633	0.6044543981731381	USDA's Ag Handbook 8 and sequelae)
0	FAT	Leaf	2000	42740	-0.2734375819599345	USDA's Ag Handbook 8 and sequelae)
15	FIBER	Leaf	6000	128220	-0.41197719259101356	USDA's Ag Handbook 8 and sequelae)
0	GLUCOALYSSIN	Plant	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
1	GLUCOBRASSICIN	Plant	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	GLUCOIBERVERIN	Plant	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	GLUCONAPOLEIFERIN	Plant	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
8	GLUTAMIC-ACID	Leaf	3600	76932	2.1091668817278633	USDA's Ag Handbook 8 and sequelae)
12	GLYCINE	Leaf	430	9189	-0.3258771642920071	USDA's Ag Handbook 8 and sequelae)
0	HEXACOSAN-1-OL	Leaf	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
7	HISTIDINE	Leaf	260	5556	0.09017965067609301	USDA's Ag Handbook 8 and sequelae)
6	IRON	Leaf	8	171	-0.4871380241109496	USDA's Ag Handbook 8 and sequelae)
3	ISOLEUCINE	Leaf	850	18164	1.571433024269437	USDA's Ag Handbook 8 and sequelae)
0	ISOPROPYLISOTHIOCYANATE	Plant	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	KILOCALORIES	Leaf	130	2778	-0.38699149605606814	USDA's Ag Handbook 8 and sequelae)
2	LEUCINE	Leaf	880	18806	0.35300679016605274	USDA's Ag Handbook 8 and sequelae)
27	LINOLEIC-ACID	Leaf	390	8334	0.025971257735994156	USDA's Ag Handbook 8 and sequelae)
4	LYSINE	Leaf	890	19019	1.4007237736298783	USDA's Ag Handbook 8 and sequelae)
65	MAGNESIUM	Leaf	106	5844	0.6634773741158146	USDA's Ag Handbook 8 and sequelae)
15	METHIONINE	Leaf	90	1923	-0.9673690590291433	USDA's Ag Handbook 8 and sequelae)

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	METHOXYBRASSININ	Plant	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
39	NIACIN	Leaf	5	107	0.11554474151099259	USDA's Ag Handbook 8 and sequelae)
18	OLEIC-ACID	Leaf	140	2992	-0.24728425396916065	USDA's Ag Handbook 8 and sequelae)
13	PALMITIC-ACID	Leaf	220	4701	-0.29955276860925134	USDA's Ag Handbook 8 and sequelae)
7	PHENYLALANINE	Leaf	440	9402	-0.2255877361792033	USDA's Ag Handbook 8 and sequelae)
4	PHOSPHORUS	Leaf	370	7907	0.5401021340122389	USDA's Ag Handbook 8 and sequelae)
14	POTASSIUM	Leaf	1804	69143	1.7132737020112403	USDA's Ag Handbook 8 and sequelae)
0	PROLINE	Leaf	310	6625	-0.6691088047000515	USDA's Ag Handbook 8 and sequelae)
0	PROTEIN	Leaf	15000	320550	1.0844369159207452	USDA's Ag Handbook 8 and sequelae)
15	RIBOFLAVIN	Leaf	0.7	15	-0.10754923896805615	USDA's Ag Handbook 8 and sequelae)
1	SERINE	Leaf	480	10258	-0.1123848390274692	USDA's Ag Handbook 8 and sequelae)
1	SODIUM	Leaf	295	21477	3.167178059127073	USDA's Ag Handbook 8 and sequelae)
8	STEARIC-ACID	Leaf	10	214	-0.48241730258681836	USDA's Ag Handbook 8 and sequelae)
31	THIAMIN	Leaf	0.4	9	0.144911649453059	USDA's Ag Handbook 8 and sequelae)
4	THREONINE	Leaf	490	10471	0.2285284810920811	USDA's Ag Handbook 8 and sequelae)
29	TRYPTOPHAN	Leaf	150	3206	0.20301684877068676	USDA's Ag Handbook 8 and sequelae)
8	TYROSINE	Leaf	290	6197	-0.5027520905731979	USDA's Ag Handbook 8 and sequelae)
3	VALINE	Leaf	660	14104	0.3956081281554011	USDA's Ag Handbook 8 and sequelae)

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	WATER	Leaf	950000	956400	0.7421725281548257	USDA's Ag Handbook 8 and sequelae)