

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Cyamopsis tetragonoloba*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
27	LINOLEIC-ACID	Seed Oil		472000.0	0.3180948503279217	Varade, P. B., Misra, B. K., Sikka, K. C., Singh, S. P. 1984. Nutritive Assessment of Guar Oil ( <i>Cyamopsis tetragonoloba</i> L. Taub). <i>J Agr Food Chem</i> , 32(5): 1073-1075.
18	OLEIC-ACID	Seed Oil		290000.0	-0.16298033837697343	Varade, P. B., Misra, B. K., Sikka, K. C., Singh, S. P. 1984. Nutritive Assessment of Guar Oil ( <i>Cyamopsis tetragonoloba</i> L. Taub). <i>J Agr Food Chem</i> , 32(5): 1073-1075.
15	FIBER	Shoot	131000.0	258000.0	0.8880777335227723	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	FIBER	Leaf	97000.0	228000.0	0.8219169280936776	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
13	PALMITIC-ACID	Seed Oil		179000.0	-0.01895036765611912	Varade, P. B., Misra, B. K., Sikka, K. C., Singh, S. P. 1984. Nutritive Assessment of Guar Oil ( <i>Cyamopsis tetragonoloba</i> L. Taub). <i>J Agr Food Chem</i> , 32(5): 1073-1075.
8	STEARIC-ACID	Seed Oil		58000.0	-0.46568311898509607	Varade, P. B., Misra, B. K., Sikka, K. C., Singh, S. P. 1984. Nutritive Assessment of Guar Oil ( <i>Cyamopsis tetragonoloba</i> L. Taub). <i>J Agr Food Chem</i> , 32(5): 1073-1075.
28	CALCIUM	Leaf		24200.0	0.3937598773084697	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	FIBER	Fruit		23000.0	-1.1198873805281946	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
28	CALCIUM	Shoot	7430.0	19800.0	0.3692304919069643	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
14	POTASSIUM	Shoot		19100.0	-0.3338334397526517	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	PHOSPHORUS	Shoot	1600.0	2855.0	-0.24195509734336013	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
112	ASCORBIC-ACID	Shoot		2800.0	-0.23555395280964694	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	PHOSPHORUS	Leaf		2700.0	-0.41791805519896574	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
28	CALCIUM	Fruit		1300.0	-0.5898896055857143	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	PHOSPHORUS	Fruit		500.0	-0.8249556409969647	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
112	ASCORBIC-ACID	Fruit		490.0	-0.2540222790363039	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
6	IRON	Shoot		331.0	-0.2250517161113515	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
6	IRON	Fruit		58.0	-0.29741781491919245	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
53	BETA-CAROTENE	Shoot		11.0	-0.6744401420904678	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
53	BETA-CAROTENE	Fruit		2.0	-0.14693466516508752	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	GENTISIC-ACID	Fruit				Bajaj, K. L., Rani, M., Arora, Y. K. 1978. Polyphenols and Lignins of Mature Guar Pods (Cyamopsis tetragonoloba). Plant Biochem J, 5: 140-145.
62	GALLIC-ACID	Seed				Kaushal, G. P., Bhatia, I. S. 1982. A Study of Polyphenols in the Seeds and Leaves of Guar (Cyamopsis tetragonoloba L. Taub). J Sci Food Agr, 33: 461-470.
43	PROTocatechuic-ACID	Fruit				Bajaj, K. L., Rani, M., Arora, Y. K. 1978. Polyphenols and Lignins of Mature Guar Pods (Cyamopsis tetragonoloba). Plant Biochem J, 5: 140-145.
102	CAFFEIC-ACID	Seed				Kaushal, G. P., Bhatia, I. S. 1982. A Study of Polyphenols in the Seeds and Leaves of Guar (Cyamopsis tetragonoloba L. Taub). J Sci Food Agr, 33: 461-470.
6	CONIFERYL-ALCOHOL	Fruit				Bajaj, K. L., Rani, M., Arora, Y. K. 1978. Polyphenols and Lignins of Mature Guar Pods (Cyamopsis tetragonoloba). Plant Biochem J, 5: 140-145.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	ASTRAGALIN	Leaf				Kaushal, G. P., Bhatia, I. S. 1982. A Study of Polyphenols in the Seeds and Leaves of Guar ( <i>Cyamopsis tetragonoloba</i> L. Taub). <i>J Sci Food Agr</i> , 33: 461-470.
1	JUGLANIN	Fruit				Bajaj, K. L., Rani, M., Arora, Y. K. 1978. Polyphenols and Lignins of Mature Guar Pods ( <i>Cyamopsis tetragonoloba</i> ). <i>Plant Biochem J</i> , 5: 140-145.
7	ASTRAGALIN	Seed				Kaushal, G. P., Bhatia, I. S. 1982. A Study of Polyphenols in the Seeds and Leaves of Guar ( <i>Cyamopsis tetragonoloba</i> L. Taub). <i>J Sci Food Agr</i> , 33: 461-470.
51	ELLAGIC-ACID	Seed				Kaushal, G. P., Bhatia, I. S. 1982. A Study of Polyphenols in the Seeds and Leaves of Guar ( <i>Cyamopsis tetragonoloba</i> L. Taub). <i>J Sci Food Agr</i> , 33: 461-470.
6	MYRISTIC-ACID	Seed Oil				Varade, P. B., Misra, B. K., Sikka, K. C., Singh, S. P. 1984. Nutritive Assessment of Guar Oil ( <i>Cyamopsis tetragonoloba</i> L. Taub). <i>J Agr Food Chem</i> , 32(5): 1073-1075.
77	CHLOROGENIC-ACID	Leaf				Kaushal, G. P., Bhatia, I. S. 1982. A Study of Polyphenols in the Seeds and Leaves of Guar ( <i>Cyamopsis tetragonoloba</i> L. Taub). <i>J Sci Food Agr</i> , 33: 461-470.
25	P-COUMARIC-ACID	Silk Stigma Style				Kandasamy, M. K. 1986. The Stigmatic Exudate of <i>Cyamopsis tetragonoloba</i> L. Taub. <i>Biochem Physiol Pflanz</i> , 181(8): 571-575.
77	CHLOROGENIC-ACID	Seed				Kaushal, G. P., Bhatia, I. S. 1982. A Study of Polyphenols in the Seeds and Leaves of Guar ( <i>Cyamopsis tetragonoloba</i> L. Taub). <i>J Sci Food Agr</i> , 33: 461-470.
176	QUERCETIN	Fruit				Daniel, M. 1989. Polyphenols of Some Indian Vegetables. <i>Curr Sci</i> , 58(23): 1332-1334.
75	KAEMPFEROL	Fruit				Daniel, M. 1989. Polyphenols of Some Indian Vegetables. <i>Curr Sci</i> , 58(23): 1332-1334.

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62	GALLIC-ACID	Fruit				Bajaj, K. L., Rani, M., Arora, Y. K. 1978. Polyphenols and Lignins of Mature Guar Pods ( <i>Cyamopsis tetragonolobus</i> ). <i>Plant Biochem J</i> , 5: 140-145.