

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

**List of Plants for GAMMA-LINOLENIC-ACID**

Plant	Part	Low PPM	High PPM	StdDev	Reference
Borago officinalis	Seed	26000.0	84260.0	1.2128075738135886	J. Pharm. Belg. 43:359-363. 1988.
Oenothera biennis	Seed Oil	19000.0	403000.0	1.0	--
Borago officinalis	Seed Essent. Oil		190000.0	0.9057529185791032	Jim Duke's personal files.
Ribes nigrum	Seed Essent. Oil		170000.0	0.4877131100041326	--
Ribes nigrum	Seed	47500.0	57950.0	0.32865774651972557	--
Oenothera biennis	Seed	4860.0	48600.0	0.014450187219169939	--
Borago officinalis	Seed Oil		249000.0	-1.0	Jim Duke's personal files.
Oenothera biennis	Seed Essent. Oil		80000.0	-1.3934660285832352	--
Daucus carota	Seed	540.0	1870.0	-1.555915507552484	--
Humulus lupulus	Seed				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Stellaria media	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ribes uva-crispa	Seed				--
Valeriana officinalis	Plant		62000.0		--
Linum usitatissimum	Seed				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Borago officinalis	Leaf				Jim Duke's personal files.
Borago officinalis	Fruit Essent. Oil	185000.0	240000.0		Jim Duke's personal files.
Ribes nigrum	Seed Oil				--