

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in Prunus cerasus

| Activity Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|----------------|--|------------|---------|----------|----------------------|--------------------|
| 0 | 2,3-DIHYDROWOGONIN | Fruit | -- | -- | | |
| 0 | 2,3-DIHYDROWOGONIN-7-MONO-BETA-D-GLUCOSIDE | Fruit | -- | -- | | |
| 0 | 2-HEPTANONE | Fruit | -- | -- | | |
| 0 | 2-METHYL-MALIC-ACID | Fruit | -- | -- | | |
| 0 | 24-METHYLENE-CYCLOARTENOL | Plant | -- | -- | | |
| 0 | 4-HYDROXYMETHYLPROLINE | Fruit | -- | -- | | |
| 16 | ACETIC-ACID | Fruit | -- | -- | | |
| 12 | ALLANTOIN | Stem | -- | -- | | |
| 0 | ALPHA-ALANINE | Fruit | -- | -- | | |
| 15 | ALPHA-LINOLENIC-ACID | Fruit | 440 | 3168 | 0.28219729749530936 | |
| 32 | ALPHA-TOCOPHEROL | Fruit | 1.3 | 9.4 | -0.9769309490452676 | |
| 8 | AMYGDALIN | Leaf | -- | -- | | |
| 0 | ANTIRRHININ | Fruit | -- | -- | | |
| 101 | APIGENIN | Plant | -- | -- | | |
| 0 | ARACHIDIC-ACID | Seed | 2400 | 3200 | -0.34254062059281093 | |
| 14 | ARGININE | Fruit | -- | -- | | |
| 3 | AROMADENDRIN | Plant | -- | -- | | |
| 0 | AROMADENDRINOL | Plant | -- | -- | | |

| Activity Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|----------------|--------------------------|------------|---------|----------|----------------------|--------------------|
| 112 | ASCORBIC-ACID | Fruit | 70 | 873 | -0.23020849082095218 | |
| 0 | ASH | Fruit | 4000 | 48000 | -0.2243510805009802 | |
| 2 | ASPARAGINE | Fruit | -- | -- | | |
| 3 | ASPARTIC-ACID | Fruit | -- | -- | | |
| 24 | BENZALDEHYDE | Fruit | 3 | 3 | -0.7922320209317137 | |
| 0 | BENZOIC-ACID-ETHYL-ESTER | Plant | -- | -- | | |
| 2 | BETA-ALANINE | Fruit | -- | -- | | |
| 53 | BETA-CAROTENE | Fruit | 1 | 6 | -0.1392027372339869 | |
| 13 | BETA-IONONE | Plant | -- | -- | | |
| 47 | BETA-SITOSTEROL | Plant | -- | -- | | |
| 4 | BORON | Fruit | 1 | 80 | 0.8067974667501124 | |
| 102 | CAFFEIC-ACID | Plant | -- | -- | | |
| 28 | CALCIUM | Fruit | 140 | 1954 | -0.43897232148136517 | |
| 0 | CARBOHYDRATES | Fruit | 103000 | 876960 | 0.5030851363040467 | |
| 0 | CAROTENOIDS | Fruit | 1 | 10 | -0.5097434821058532 | |
| 0 | CERASIDIN | Plant | -- | -- | | |
| 0 | CERASIN | Plant | -- | -- | | |
| 0 | CERASINONE | Plant | -- | -- | | |
| 77 | CHLOROGENIC-ACID | Fruit | -- | -- | | |

| Activity Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|----------------|--|------------|---------|----------|--------------------|--------------------|
| 60 | CHRYSIN | Plant | -- | -- | | |
| 23 | CITRIC-ACID | Fruit | -- | -- | | |
| 57 | COUMARIN | Plant | -- | -- | | |
| 0 | CRYPTOCHLOROGENIC-ACID | Fruit | -- | -- | | |
| 7 | CYANIDIN | Fruit | -- | -- | | |
| 0 | CYANIDIN-3-DIGLUCOSIDE | Fruit | -- | -- | | |
| 0 | CYANIDIN-3-GENTIOBIOSIDE | Fruit | -- | -- | | |
| 0 | CYANIDIN-3-GLUCOSIDE | Stem | -- | -- | | |
| 0 | CYANIDIN-3-GLUCOSYL RHAMNOSYLGLUCOSIDE | Stem | -- | -- | | |
| 0 | CYANIDIN-3-MONOGLUCOSIDE | Fruit | -- | -- | | |
| 1 | CYANIDIN-3-RUTINOSIDE | Stem | -- | -- | | |
| 0 | CYANIDIN-3-SOPHOROSIDE | Stem | -- | -- | | |
| 0 | D,L-CATECHIN | Stem | -- | -- | | |
| 1 | DECAN-1-AL | Plant | -- | -- | | |
| 2 | DIHYDROCOUMARIN | Plant | -- | -- | | |
| 0 | EO | Seed | 10000 | 10000 | -0.424081099576988 | |
| 40 | EPICATECHIN | Plant | -- | -- | | |
| 76 | EUGENOL | Plant | -- | -- | | |
| 5 | EUGENOL-METHYL-ETHER | Plant | -- | -- | | |

| Activity Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|----------------|-------------------------|------------|---------|----------|---------------------|--|
| 0 | FAT | Fruit | 3000 | 48000 | -0.2746319507704498 | |
| 61 | FERULIC-ACID | Plant | -- | -- | | |
| 15 | FIBER | Fruit | 2000 | 79000 | -0.5914444614968541 | |
| 15 | FOLACIN | Fruit | 1 | 6 | 1.6153957649116897 | |
| 2 | FRAXINOL | Plant | -- | -- | | |
| 8 | FRUCTOSE | Fruit | 61000 | 72400 | 0.2387217941525563 | |
| 7 | FUMARIC-ACID | Fruit | -- | -- | | |
| 0 | GALACTURONIC-ACID | Fruit | -- | -- | | |
| 62 | GALLIC-ACID | Plant | -- | -- | | |
| 22 | GAMMA-AMINOBUTYRIC-ACID | Fruit | -- | -- | | |
| 81 | GENISTEIN | Fruit | -- | -- | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 3 | GENISTIN | Fruit | -- | -- | | |
| 7 | GLUCOSE | Fruit | 47000 | 55000 | -0.3113654030593155 | |
| 4 | GLUCURONIC-ACID | Fruit | -- | -- | | |
| 8 | GLUTAMIC-ACID | Fruit | -- | -- | | |
| 5 | GLUTAMINE | Fruit | -- | -- | | |
| 12 | GLYCINE | Fruit | -- | -- | | |

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|----------------|---------------------|-------------|---------|----------|----------------------|--------------------|
| 9 | HCN | Fruit | -- | -- | | |
| 30 | HYPEROSIDE | Plant | -- | -- | | |
| 6 | IRON | Fruit | 3 | 78 | -0.21808320531511716 | |
| 4 | ISOCHLOROGENIC-ACID | Fruit | -- | -- | | |
| 5 | ISOVALERIC-ACID | Fruit | -- | -- | | |
| 5 | KAEMPFERIDE | Plant | -- | -- | | |
| 75 | KAEMPFEROL | Plant | -- | -- | | |
| 8 | LACTIC-ACID | Fruit | -- | -- | | |
| 2 | LEUCINE | Fruit | -- | -- | | |
| 1 | LEUCOCYANIDIN | Fruit | -- | -- | | |
| 0 | LINALOL | Fruit | -- | -- | | |
| 27 | LINOLEIC-ACID | Seed | 127200 | 169600 | 0.5353160219759161 | |
| 27 | LINOLEIC-ACID | Fruit | 460 | 3312 | -0.30867257430312856 | |
| 65 | MAGNESIUM | Fruit | 90 | 648 | -0.6861302464764049 | |
| 0 | MALEIC-ACID | Fruit | -- | -- | | |
| 15 | MALIC-ACID | Fruit Juice | -- | -- | | |
| 14 | MANGANESE | Fruit | 1 | 8 | -0.3507865335531638 | |
| 18 | MANNITOL | Fruit | -- | -- | | |
| 0 | MESOCYANIN | Fruit | -- | -- | | |

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|----------------|-------------------------|------------|---------|----------|----------------------|--------------------|
| 21 | METHYL-SALICYLATE | Plant | -- | -- | | |
| 6 | MYRISTIC-ACID | Fruit | 20 | 144 | -0.26235038380237036 | |
| 6 | MYRISTIC-ACID | Seed | 600 | 800 | -0.2855305257263749 | |
| 56 | NARINGENIN | Fruit | -- | -- | | |
| 2 | NEO-CHLOROGENIC-ACID | Fruit | -- | -- | | |
| 39 | NIACIN | Fruit | 4 | 32 | -0.3836439697079757 | |
| 6 | O-CRESOL | Plant | -- | -- | | |
| 5 | OCTANOIC-ACID | Fruit | -- | -- | | |
| 64 | OLEANOLIC-ACID | Fruit | -- | -- | | |
| 18 | OLEIC-ACID | Fruit | 810 | 5832 | -0.4357959837402269 | |
| 18 | OLEIC-ACID | Seed | 148200 | 197600 | 0.6452878088035691 | |
| 25 | P-COUMARIC-ACID | Fruit | -- | -- | | |
| 8 | P-CRESOL | Plant | -- | -- | | |
| 13 | P-HYDROXY-BENZOIC-ACID | Plant | -- | -- | | |
| 0 | PAEONIDIN | Fruit | -- | -- | | |
| 0 | PAEONIDIN-3-DIGLUCOSIDE | Plant | -- | -- | | |
| 0 | PAEONIDIN-3-RUTINOSIDE | Fruit | -- | -- | | |
| 13 | PALMITIC-ACID | Fruit | 480 | 3456 | -0.3117329990337756 | |
| 13 | PALMITIC-ACID | Seed | 12900 | 17200 | -0.3447092403833368 | |

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|----------------|------------------------------|------------|---------|----------|------------------------|--------------------|
| 2 | PALMITOLEIC-ACID | Fruit | 10 | 72 | -0.33227154199165215 | |
| 11 | PANTOTHENIC-ACID | Fruit | 1 | 10 | -0.5169531369709149 | |
| 0 | PECTINESTERASE | Fruit | -- | -- | | |
| 0 | PECTINS | Fruit | 6000 | 18000 | -0.6523188685156274 | |
| 7 | PHENYLALANINE | Fruit | -- | -- | | |
| 4 | PHOSPHORUS | Fruit | 150 | 2302 | -0.27761654231376065 | |
| 2 | PIPECOLIC-ACID | Fruit | -- | -- | | |
| 14 | POTASSIUM | Fruit | 1120 | 19277 | 0.12036773502590835 | |
| 0 | PROLINE | Fruit | -- | -- | | |
| 0 | PROTEIN | Fruit | 9890 | 103000 | -0.08711575453498036 | |
| 0 | PROTOPECTIN | Fruit | -- | -- | | |
| 2 | PRUNASIN | Seed | -- | -- | | |
| 2 | PRUNETIN | Fruit | -- | -- | | |
| 176 | QUERCETIN | Fruit | -- | -- | | |
| 0 | QUERCETIN-3-BETA-D-GLUCOSIDE | Plant | -- | -- | | |
| 0 | QUERCETIN-7-HETEROSIDE | Plant | -- | -- | | |
| 44 | QUERCITRIN | Plant | -- | -- | | |
| 1 | QUINIC-ACID | Fruit | -- | -- | | |
| 15 | RIBOFLAVIN | Fruit | -- | 5 | -0.0019916133753625524 | |

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|----------------|------------------------|------------|---------|----------|----------------------|--|
| 87 | RUTIN | Plant | -- | -- | | |
| 1 | SERINE | Fruit | -- | -- | | |
| 14 | SHIKIMIC-ACID | Fruit | -- | -- | | |
| 1 | SODIUM | Plant | 30 | 216 | -0.29212110141833325 | |
| 11 | SORBITOL | Fruit | -- | -- | | |
| 10 | SQUALENE | Plant | -- | -- | | |
| 8 | STEARIC-ACID | Fruit | 160 | 1152 | -0.2028230875205107 | |
| 8 | STEARIC-ACID | Seed | 8700 | 11600 | -0.31370943040449595 | |
| 12 | STIGMASTEROL | Plant | -- | -- | | |
| 7 | SUCCINIC-ACID | Fruit | -- | -- | | |
| 0 | SUGARS | Fruit | 68000 | 104400 | -0.453261143644913 | |
| 35 | TANNIN | Bark | 50000 | 70000 | -0.6218356919104978 | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 6 | TARTARIC-ACID | Fruit | -- | -- | | |
| 17 | TAXIFOLIN | Plant | -- | -- | | |
| 0 | TAXIFOLIN-3-HETEROSIDE | Fruit | -- | -- | | |
| 0 | TECTOCHRYSIN | Plant | -- | -- | | |

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|----------------|---------------|------------|---------|----------|---------------------|--------------------|
| 31 | THIAMIN | Fruit | -- | 5 | -0.0425885992841977 | |
| 4 | THREONINE | Fruit | -- | -- | | |
| 8 | TYROSINE | Fruit | -- | -- | | |
| 89 | URSOLIC-ACID | Fruit | -- | -- | | |
| 3 | VALINE | Fruit | -- | -- | | |
| 24 | VANILLIC-ACID | Plant | -- | -- | | |
| 0 | WATER | Fruit | 826000 | 874000 | 0.44969837832982723 | |
| 77 | ZINC | Fruit | 1 | 7 | -0.7010475051378668 | |