

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Pinus strobus

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Refernce Citation |
|------------------|---|---------------------|---------|----------|--------------------|--|
| 0 | 15-HYDROXY-ABIETIC-ACID | Resin, Exudate, Sap | | | | -- |
| 0 | 15-HYDROXY-DEHYDROABIETIC-ACID | Resin, Exudate, Sap | | | | -- |
| 0 | 3-BETA-ACETOXY-ANTICOPALIC-ACID | Resin, Exudate, Sap | | | | -- |
| 0 | 3-BETA-HYDROXYANTICOPALIC-ACID | Resin, Exudate, Sap | | | | -- |
| 0 | 3-BETA-METHOXY-14-SERRATEN-21-ON | Plant | | | | -- |
| 0 | 3-OXO-ANTICOPALIC-ACID | Resin, Exudate, Sap | | | | -- |
| 0 | 8-ALPHA-HYDROXY-LABD-13-TRANS-ENE-15-OIC-ACID | Resin, Exudate, Sap | | | | -- |
| 0 | 8-ALPHA-HYDROXYANTICOPALIC-ACID | Resin, Exudate, Sap | | | | -- |
| 0 | ABEOANTICOPALIC-ACID | Resin, Exudate, Sap | | | | -- |
| 0 | ABIETA-8-12-DIEN-18-ATE | Resin, Exudate, Sap | | | | -- |
| 0 | ABIETATE | Resin, Exudate, Sap | | | | -- |
| 3 | ABIETIC-ACID | Resin, Exudate, Sap | | | | -- |
| 2 | ALPHA-HUMULENE | Leaf Essent. Oil | | | | -- |
| 0 | AMINO-ACIDS | Seed | | 4620.0 | -1.0 | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | AMINO-ACIDS | Leaf | | 4530.0 | -1.026724143160918 | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | ANTICOPALIC-ACID | Leaf | | | | -- |
| 0 | ANTICOPALIC-ACID | Wood | | | | -- |
| 0 | BETA-CARYOPHYLLENE | Leaf Essent. Oil | | | | -- |
| 60 | CHRYSIN | Wood | | | | -- |
| 0 | CIS-ABIENOL | Plant | | | | -- |
| 0 | COMMUNIC-ACID | Resin, Exudate, Sap | | | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|-----------------------|---------------------|---------|----------|--------|---|
| 2 | CONIFERIN | Bark | | | | -- |
| 6 | CONIFERYL-ALCOHOL | Bark | | | | -- |
| 0 | CRYPTOSTROBIN | Wood | | | | Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp. |
| 0 | CYCLOANTICOPALIC-ACID | Resin, Exudate, Sap | | | | -- |
| 0 | D-PINITOL | Fruit | | | | -- |
| 0 | DEHYDROABIETATE | Resin, Exudate, Sap | | | | -- |
| 5 | DEHYDROABIETIC-ACID | Resin, Exudate, Sap | | | | -- |
| 0 | DIHYDROABIETIC-ACID | Wood | | 22000.0 | | -- |
| 3 | DIHYDROPINOSYLVIN | Bark | | | | Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp. |
| 0 | ELLIOTIC-ACID | Resin, Exudate, Sap | | | | -- |
| 0 | EO | Root | | | | -- |
| 0 | FAT | Plant | | | | -- |
| 2 | ISOPIMARIC-ACID | Wood | | | | -- |
| 2 | ISOPIMARIC-ACID | Resin, Exudate, Sap | | | | -- |
| 0 | LAEVOPIMARIC-ACID | Resin, Exudate, Sap | | | | -- |
| 1 | LEUCOCYANIDIN | Plant | | | | -- |
| 0 | LEVOPIMARIC-ACID | Resin, Exudate, Sap | | | | -- |
| 0 | MANOYOXIDE | Bark | | | | -- |
| 3 | MUCILAGE | Plant | | | | Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980. |
| 4 | NEOABIETIC-ACID | Resin, Exudate, Sap | | | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|-------------------------|---------------------|---------|----------|--------|---|
| 0 | NEOABIETINIC-ACID | Plant | | | | -- |
| 0 | NUCLEIC-ACIDS | Plant | | | | -- |
| 0 | PALUSTRIC-ACID | Resin, Exudate, Sap | | | | -- |
| 0 | PIMARA-8,15-DIEN-18-ATE | Resin, Exudate, Sap | | | | -- |
| 0 | PIMARIC-ACID | Resin, Exudate, Sap | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | PINOBANKSIN | Wood | | | | -- |
| 9 | PINOCEMBRIN | Wood | | | | -- |
| 0 | PINOMYRICETIN | Bark | | | | Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp. |
| 0 | PINOQUERCETIN | Bark | | | | Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp. |
| 2 | PINORESINOL | Bark | | | | Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp. |
| 6 | PINOSTROBIN | Bark | | | | Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp. |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|-----------------------------|---------------------|---------|----------|--------|---|
| 6 | PINOSTROBIN | Wood | | | | Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp. |
| 5 | PINOSYLVIN | Bark | | | | Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp. |
| 0 | PINOSYLVIN-MONOMETHYL-ESTER | Plant | | | | -- |
| 1 | RHODOXANTHIN | Leaf | | | | -- |
| 2 | SANDARACOPIMARIC-ACID | Resin, Exudate, Sap | | | | -- |
| 2 | SANDARACOPIMARIC-ACID | Wood | | 22000.0 | | -- |
| 0 | SCLAREOLIC-ACID | Resin, Exudate, Sap | | | | -- |
| 0 | STROBAL | Bark | | | | -- |
| 0 | STROBIC-ACID | Resin, Exudate, Sap | | | | -- |
| 0 | STROBIC-ACID | Plant | | | | J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991. |
| 0 | STROBINIC-ACID | Resin, Exudate, Sap | | | | -- |
| 0 | STROBOL | Bark | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | STROBOPININ | Wood | | | | -- |
| 0 | TECTOCHRYSIN | Wood | | | | -- |
| 0 | TETRADECYL-ACETATE | Leaf | | | | -- |
| 0 | TRANS-ABIENOL | Plant | | | | -- |