

# List of All Chemicals

P

Abies sachalinensis (Pinaceae)

## Common name(s)

Shin-Yo-Yu; Japanese Fir

## How used

Medicinal

\*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Chemical	Part	All	Low PPM	High PPM	StdDev	*Reference
ALPHA-PINENE	Branches		2400.0	2700.0		*
<div>Activities (28)</div> <div><div>Allelochemic</div><div>Allergenic</div><div>Antiacne</div><div>Antibacterial</div><div>Antifeedant</div><div>Antiflu</div><div>Antiinflammatory 500 mg/kg</div><div>Antipneumonic</div><div>Antiseptic</div><div>Antispasmodic</div><div>Antistaphylococcic</div><div>Antiviral</div><div>Cancer-Preventive</div><div>Coleoptophile</div><div>Expectorant</div><div>FLavor FEMA 15-150</div><div>Herbicide IC50=30 uM</div><div>Insecticide 0.82 uM/fly</div><div>Insectifuge 50 ppm</div><div>Insectiphile</div><div>Irritant</div><div>P450-2B1-Inhibitor IC50=0.087 uM</div><div>Perfumery</div><div>Pesticide</div><div>Sedative</div><div>Spasmogenic</div><div>Tranquilizer</div><div>Transdermal</div></div> <div><div>Economic &amp; Medicinal Plant Research, 5: 195.</div><div>Economic &amp; Medicinal Plant Research, 5: 195.</div><div>Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.</div><div>Michael Castleman 1991. The Healing Herbs. Rodale Press, Emmaus, PA 436 pp.</div><div>Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry</div><div>Keeler, R.F. and Tu, A.T. eds. 1991. Toxicology of Plant and Fungal Compounds. (Handbook of Natural Toxins Vol. 6) Marcel Dekker, Inc. NY. 665 pp.</div><div>J. Stored. Prod. Res., 22:141, 1986.</div><div>Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor &amp; Frost, London. 791 pp.</div><div>Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry</div><div>Lawrence Review of Natural Products, Jun-90.</div><div>Lawrence Review of Natural Products, Jun-90.</div></div>						
BORNEOL	Branches		3360.0	3780.0		*

Activities (35)					
(-)-Chronotropic 29 ug/ml	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.				
(-)-Inotropic 29 ug/ml	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.				
Allelochemic					
Analgesic					
Antiacetylcholine	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.				
Antibacterial MIC=125-250 ug/ml					
Antibronchitic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Antiescherichic MIC=125 ug/ml					
Antifeedant					
Antiinflammatory					
Antiotitic					
Antipyretic					
Antisalmonella MIC=125 ug/ml					
Antispasmodic ED50=0.008 mg/ml					
Antistaphylococcic MIC=250 ug/ml					
Antiyeast MIC=250 ug/ml					
CNS-Stimulant	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.				
CNS-Toxic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Candidicide MIC=250 ug/ml					
Choleretic					
FLavor FEMA<1	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry				
Fungicide					
Hepatoprotective					
Herbicide IC50=470 mM	Lydon, J. & Duke, S., The potential of pesticides from plants, pp. 1-41 in Craker, L. & Simon, J., eds, Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture, & Pharmacology, v. 4, Oryx Press, Phoenix, 1989, 267pp.				
Herbicide IC50=470 uM	Keeler, R.F. and Tu, A.T. eds. 1991. Toxicology of Plant and Fungal Compounds. (Handbook of Natural Toxins Vol. 6) Marcel Dekker, Inc. NY. 665 pp.				
Inhalant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Insect-Repellent					
Insectifuge	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.				
Irritant	Rinzler, C. A. 1990. The Complete Book of Herbs, Spices and Condiments. Facts on File, New York. 199 pp.				
Myorelaxant	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.				
Nematicide MLC=1 mg/ml	Shoyakugaku Zasshi, 44: 183.				
Perfumery	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Pesticide					
Sedative	Medline (post 1990 searches filed in my computer)				
Tranquilizer					
CAMPHENE	Branches	4160.0	4680.0		*

Activities (9)					
Allelopathic	Wright,C.W.(Ed)2002.Medicinal&Aromatic Plants-Industrial Profiles.Artemisia.344pp.Maffei,M.(Ed)2002.Vetiveria.The Genus Vetiveria.Taylor&Francis.NY,NY.191pp.Southwell,I.,Lowe,R.(Eds)1999.Tea Tree.The Genus Melaleuca.Harwood Acad.Pub.Amsterdam,Netherlands.				
Antilithic?	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Antioxidant	Jim Duke's personal files.				
Expectorant	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.				
FLavor FEMA 15-175	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry				
Hypocholesterolemic?	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Insectifuge	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.				
Pesticide					
Spasmogenic	Fitoterapia No.59-1984.				

EO	Branches	16000.0	18000.0	1.3	*
TODOMATUIC-ACID	Plant	--	--		*

