

List of All Chemicals

P Ambrosia hispida (Asteraceae)

Common name(s)

Margarita de Mar

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
3-HYDROXYAMBROSIN-DAMSIINATE	Shoot	--	10.0		Herz, W., Gage, D., Kumar, N. 1981. Damsinic Acid and Ambrosanolides from Vegetative Ambrosia hispida. Phytochemistry 20: 1601-1604.
AMBROSIN	Shoot	8.0	611.0		*
Activities (5)					
Allergenic					
Antitumor					Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Cytotoxic 40-3,500 ppb					
Pesticide					
Schistosomicide					Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
AMBROSIN	Plant	--	7400.0		Herz, W., Sumi, Y. 1964. Constituents of Ambrosia and Related Species. III. Constituents of Ambrosia hispida Pursh. J. Org. Chem. 29: 3438-3439.
Activities (5)					
Allergenic					
Antitumor					Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Cytotoxic 40-3,500 ppb					
Pesticide					
Schistosomicide					Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
ANHYDROCORONOPILIN	Shoot	--	27.0		Herz, W., Gage, D., Kumar, N. 1981. Damsinic Acid and Ambrosanolides from Vegetative Ambrosia hispida. Phytochemistry 20: 1601-1604.
DAMSIN	Shoot	14.0	100.0		*
Activities (4)					
Antitumor					Wagner & Wolff, eds. 1977. New Natural Products (RS164. I56. 176)
Cytotoxic 0.058 ppm					Biosyn. Prod. Cancer Chemotherapy (Petit et al)
Molluscicide					Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Schistosomicide					Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
DAMSIN	Plant	--	3430.0		Herz, W., Sumi, Y. 1964. Constituents of Ambrosia and Related Species. III. Constituents of Ambrosia hispida Pursh. J. Org. Chem. 29: 3438-3439.
Activities (4)					
Antitumor					Wagner & Wolff, eds. 1977. New Natural Products (RS164. I56. 176)
Cytotoxic 0.058 ppm					Biosyn. Prod. Cancer Chemotherapy (Petit et al)
Molluscicide					Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Schistosomicide					Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
DAMSIINIC-ACID	Shoot	--	150.0		*

Activities (1)					
Antitumor					Wagner & Wolff, eds. 1977. <i>New Natural Products</i> (RS164. I56. 176)

ENT-KAUR-16-EN-19-OIC-ACID	Shoot	--	6.0		*
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HISPIDULIN	Shoot	255.0	277.0	1.0	*
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Activities (7)					
Antiaggregant IC50=13 ug/ml					Economic & Medicinal Plant Research, 5: 333.
Antihepatotoxic 32 mg/kg					
Antioxidant ED=uM					
Antiperoxidant					
Antiradicular					
Antitumor					Lewis and Elvin-Lewis, <i>Medical Botany</i> , ca 1977
Cancer-Preventive					Stitt, P. A. <i>Why George Should Eat Broccoli</i> . Dougherty Co, Milwaukee, WI, 1990, 399 pp.

HISPIDULIN	Plant	--	370.0		Herz, W., Sumi, Y. 1964. <i>Constituents of Ambrosia and Related Species</i> . III. <i>Constituents of Ambrosia hispida</i> Pursh. <i>J. Org. Chem.</i> 29: 3438-3439.
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Activities (7)					
Antiaggregant IC50=13 ug/ml					Economic & Medicinal Plant Research, 5: 333.
Antihepatotoxic 32 mg/kg					
Antioxidant ED=uM					
Antiperoxidant					
Antiradicular					
Antitumor					Lewis and Elvin-Lewis, <i>Medical Botany</i> , ca 1977
Cancer-Preventive					Stitt, P. A. <i>Why George Should Eat Broccoli</i> . Dougherty Co, Milwaukee, WI, 1990, 399 pp.

PEDALITIN	Shoot	--	46.0		*
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STIGMASTEROL	Shoot	--	22.5	-1.0	*
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Activities (12)					
Antihepatotoxic					
Antiinflammatory					Lawrence <i>Review of Natural Products</i> , 1995
Antinociceptive					
Antiphidic 2.3 mg ipr mus					Economic & Medicinal Plant Research, 5: 363.
Antioxidant IC33=10 uM					
Antiviral					Abid Ali Khan, M.M., Jain, D.C., Bhakuni, R.S., Zaim, M., and Thakur, R.S. 1991. Occurrence of some antiviral sterols in <i>Artemisia annua</i> . <i>Plant Science</i> , 75: 161-165, 1991.
Artemicide LC50=110 ppm					Jung, J.H., Pummangura, S., Chaichantipyuth, c., Patarapanich, C., and McLaughlin, J.L. 1989. Bioactive Constituents of <i>Melodorum fruticosum</i> . <i>Phytochemistry</i> . 29(5): 1667-1670. 1990.
Cancer-Preventive					Stitt, P. A. <i>Why George Should Eat Broccoli</i> . Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Estrogenic					
Hypocholesterolemic					Nigg, H.N. and Seigler, D.S., eds. 1992. <i>Phytochemical Resources for Medicine and Agriculture</i> . Plenum Press, New York. 445 pp.
Ovulant					
Sedative					