

SUPPORTING INFORMATION for

Insecticides in Chinese Medicinal Plants: Survey Leading to Jacaranone, A Neurotoxicant and Glutathione-Reactive Quinol

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Sixty-Two Plant Species from Central China Examined for Insecticidal Activity

Aconitum carmichaeli Debeaux

Aleurite fordii Hemsley

Amorphophallus rivieri Dur. ex Riviere

Anemone vitifolia Buch.-Ham

Aralia armata (Wall.) Seem.

Arisaema erubescens (Wall.) Schott

Bletill striata (Thunb.) Reichab. f.

Boehmeria platanifolia Franch. et Sar.

Broussonetia papyrifera Vent.

Buddleja davidii Fr.

Centella asiatica Urban

Chloranthus japonicus Siebold

Clerodendron bungei Steud.

Coptis chinensis Franch.

Cryptotympana pustulata Fabr

Cypripedium japonicum Thunb.

Datura innoxia Mill.

Datura metel L.

Dichroa febrifuga Lour.

Dipsacus chinensis Batalin

Disporopsis fuscopicta Hance

Duchesnea indica Focke

Dysosma pleiantha R.E. Woodson

Dysosma versipellis (Hance) M. Cheng

Eucommia ulmoides Oliver

Euonymus alatus (Thunb.) Sieb.

Euphorbia humifusa Willd.

Euphorbia maculata L.

Gleditsia sinensis Lam.

Hemerocalis fulva L.

Hibiscus syriacus L.

Ilex pernyi Franch.

Iris japonica Thunb.

Juglans regia L.

Ligularia hodgsonii Hook

Ligularia veitchiana (Hemsl.) Greenman

Lobelia sequinii Levl. et Vant

Lycopodium clavatum L.

Lycoris aurea Herb.

Magnolia officinalis Rehder & Wilson

Mahonia bealei (Fort.) Carr.

Paeonia suffruticosa var. *papaveracea* (Andr.) Kerner

Phytolacca acinosa Roxb.

Phytolacca american L.

Platycarya strobilacea Sieb. & Zucc.

Polygonum flaccidum (Meissn.) Steward

Populus adenopoda Maxim.

Pterocarya stenoptera C.DC.

Pueraria lobata (Willd.) Ohwi

Pyrrosia petidosa

Rheum officinale Baill.

Rhus javanica L.

Rhus verniciflua Stokes

Sargentodoxa cuneata Rehder & Wilson

Senecio palmatus Pall.

Spiraea prunifolin Sieb. et Zucc.

Strychnos nux-vomcica L.

Tinospora sagittata Gagnep.

Ulmus davidiana Planch.

Urtica macrorrhiza Hand. – Mazz

Wisteria sinensis (Sims) Sweet

Zanthoxylum simulans Hance

NMR Data for Compounds 1-3

Jacaranone (1). ^1H NMR (CDCl_3) δ 6.96 (d, 2H, $J = 10.0$ Hz), 6.21 (d, 2H, $J = 10.0$ Hz), 4.0 (s, 1H), 3.77 (s, 3H), 2.71 (s, 2H). ^{13}C NMR (CDCl_3) δ 184.8, 171.3, 148.7, 128.4, 67.4, 52.3, 43.3.

Paeonol (2). ^1H NMR (CDCl_3) δ 12.76 (s, 1H), 7.63 (d, 1H, $J = 8.2$ Hz), 6.47 (s, 1H), 6.44 (d, 2H, $J = 8.2$ Hz), 3.84 (s, 3H), 2.56 (s, 3H). ^{13}C NMR (CDCl_3) δ 202.6, 166.1, 165.3, 132.2, 114.0, 107.6, 100.9, 55.5, 26.1.

Terbufos (3). ^{31}P NMR (CDCl_3) δ 93.5. ^1H NMR (CDCl_3) δ 4.27-4.13 (m, 4H), 4.04 (d, 2H, $J = 11.8$ Hz), 1.38 (m, 15H). ^{13}C NMR (CDCl_3) δ 64.0 (d, $J = 4.5$ Hz), 44.3, 33.7, 30.9, 15.8 (d, $J = 9.0$ Hz).

ESI-MS for 4 and 5

