Table S1. Classes of isolated compounds and biological activities reported for selected galactogogue plants.

Plant species (Code)	Class of compounds	Reported activity	Ref.
Hubera cerasoides (HC)	Aporphine alkaloids	Inhibition of transcriptional activity of TCF/β-catenin	[1]
	Aporphine and isoquinone alkaloids, sesquiterpenes	Antimalarial and antimicrobacterial activities	[2]
Polyalthia debilis (PD)	Polyacetylenes	Antimicrobial, cytotoxic and antimicrobacterial activities	[3, 4]
	Aporphine alkaloids	Antimalarial activity	[5]
Polyalthia evecta (PE)	Furans polyacetylenes	Antiviral and cytotoxic activities	[6]
Polyalthia suberosa (PS)	Furans polyacetylenes	Inhibition of HIV-1 reverse transcriptase	[7]
	Anthracene alkaloids	-	[8]
Uvaria rufa (UR)	Cyclohexenoids	-	[9-12]
	Flavonol glycosides	Inhibit formation of advanced glycation end-products	[13]
Caesalpinia sappan (CS)	Protosappanins Benzylchroman derivatives, protosappanins, chalcones, brazilines, sappanones	Cytotoxic activity -	[14] [15]
	Methanodibenzoxocinone	Inhibition of xanthine oxidase	[16]
	Flavonoids	Antioxidant activity	[17, 18]
Celastrus paniculatus (CP)	Sesquiterpenes and triterpenes	Cytotoxic activity	[19, 20]
Salacia chinensis (SCh)	Triterpenes	-	[21-24]
	Glycosides	Hepatoprotective effects	[25-27]
Salacia verrucosa (SV)	Triterpenes	Cytotoxic activity	[28]
Siphonodon celastrineus (SCe)	Sesquiterpenes and triterpenes	Cytotoxic activity	[29-33]
Clausena harmandiana (CH)	Carbazole alkaloids and courmarins	Antibacterial, antiplasmodial and cytotoxic activities	[34-38]
Glycosmis pentaphylla (GP)	Quinolone alkaloids	Inhibition of *β*-hexosaminidase	[39]
	Furanopyridine alkaloids	-	[40]
Micromelum minutum (MM)	Coumarins and triterpenes	Cytotoxic and antibacterial	[41-44]
Naringi crenulata (NC)	Alkaloids, phenols, tannins and saponins	Antiinflammatory, antioxidant, antibacterial, antifungal and antimicrobial activities	[45, 46]
Diospyros ehretioides (DE)	Deoxypreussomerins and naphthoquinones	Antimalarial and antibacterial activities	[47]
Ochna integerrima (OI)	Flavonoids	Antimalarial and anti-HIV-1	[48, 49]

References

[1] Shono T, Ishikawa N, Toume K, Arai, MA, Masu H, Koyano T, Kowithayakorn T, Ishibashi M. Cerasoidine, a bis-aporphine alkaloid isolated from *Polyalthia cerasoides* during screening for Wnt signal inhibitors. J Nat Prod. 2016; 79(8): 2083-2088.

[2] Kanokmedhakul S, Kanokmedhakul K, Lekphrom R. Bioactive constituents of the roots of *Polyalthia cerasoides*. J Nat Prod. 2007; 70(9): 1536-1538.

[3] Boonpangrak S, Cherdtrakulkiat R, Pingaew R, Manam P, Prachayasittikul S, Ruchirawat S, Prachayasittikul V. Antimicrobial and cytotoxic acetogenin from *Polyalthia debilis*. J Appl Pharm Sci. 2015; 5(3): 013-018.

[4] Panthama N, Kanokmedhakul S, Kanokmedhakul K. Polyacetylenes from the roots of *Polyalthia debilis*. J Nat Prod, 2010; 73(8): 1366-1369.

[5] Kanokmedhakul S, Kanokmedhakul K, Yodbuddee D, Phonkerd N. New antimalarial bis-dehydroaporphine alkaloids from *Polyalthia debilis*. J Nat Prod. 2003; 66(5): 616-619.

[6] Kanokmedhakul S, Kanokmedhakul K, Kantikeaw I, Phonkerd N. 2-Substituted furans from the roots of *Polyalthia evecta.* J NatProd.2006; 69(1): 68-72.

[7] Tuchinda P, Pohmakotr M, Reutrakul V, Thanyachareon W, Sophasan S, Yoosook C, Santisuk T, Pezzuto JM. Planta Med. 2001; 67: 572-575.

[8] Tuchinda P, Pohmakotr M, Munyoo B, Reutrakul V, Santisuk T. An azaanthracene alkaloid from *Polyalthia suberosa.* Phytochemistry. 2000; 53(8): 1079-1082.

[9] Macabeo APG, Tudla FA, Krohn K, Franzblau SG. Antitubercular activity of the semi-polar extractives of *Uvaria rufa*. Asian Pac. J. Trop. Med. 2012; 777-780.

[10] Macabeo APG, Tudla FA, Alejandro GJD, Kouam SF, Hussain H, Krohn, K. Benzoylated derivatives from *Uvaria rufa*. Biochem Syst Ecol. 2010; 38(4): 857-860.

[11] Tudla FA, Aguinaldo AM, Krohn K, Hussain H, Macabeo APG. Highly oxygenated cyclohexene metabolites from *Uvaria rufa.* Biochem Syst Ecol. 2007; 35: 45-47.

[12] Zhang, CR, Yang SP, Liao SG, Wu Y, Yue JM. Polyoxygenated cyclohexene derivatives from *Uvaria rufa. Helv.* Chim Acta. 2006; 89: 1408-1416.

[13] Deepralard K, Kawanishi K, Moriyasu M, Pengsuparp T, Suttisri R. Flavonoid glycosides from the leaves of *Uvaria rufa* with advanced glycation end-products inhibitory activity. TJPS. 2009; 33(2-3): 84-90.

[14]. Wang Z, Sun JB, Qua W, Guan FQ, Li LZ, Liang YJ. Caesappin A and B, two novel protosappanins from *Caesalpinia sappan* L. Fitoterapia. 2014; 92: 280-284.

[15] Fu L, Huang X, Lai Z, Hu Y, Liu H, Cai X. A New 3-Benzylchroman derivative from Sappan Lignum (Caesalpinia sappan). Molecules. 2008; 13: 1923-1930.

[16] Nguyen MTT, Awale S, Tezuka Y, Tran QL, Kadota S. Neosappanone A, a xanthine oxidase (XO) inhibitory dimeric methanodibenzoxocinone with a new carbon skeleton from *Caesalpinia sappan*. Tetrahedron Lett. 2004; 45: 8519-8522.

[17]. Niranjan Reddy VL, Ravikanth V, Jansi Lakshmi VVNS, Suryanarayan Murty U, Venkateswarlu Y. Inhibitory activity of homoisoflavonoids from *Caesalpinia sappan* against *Beauveria bassiana*. Fitoterapia. 2003; 74: 600-602.

[18] Safitria R, Tarigan, P, Freisleben HJ, Rumampuk RJ. Murakami A. Antioxidant activity in vitro of two aromatic compounds from *Caesalpinia sappan* L. BioFactors. 2003; 19: 71-77.

[19] Wang Z, Sun JB, Qua W, Guan FQ, Li LZ, Liang YJ. Caesappin A and B, two novel protosappanins from *Caesalpinia sappan* L. Fitoterapia. 2014; 92: 280-284.

[20] Weng JR and Yen MH. New dihydroagarofuranoid sesquiterpenes from *Celastrus paniculatus*. Hel Chim Acta. 2010; 93; 1716-1724.

[21] Zhang Y, Nakamura S, Pongpiriyadacha Y, Matsuda H, Yoshikawa M. Absolute structures of new megastigmane glycosides, foliasalaciosides E(1), E(2), E(3), F, G, H, and I from the leaves of *Salacia chinensis*. Chem Pharm Bull. 2008; 56(4): 547-553.

[22] Yoshikawa M, Zhang Y, Wang T, Nakamura S, Matsuda, H. New triterpene constituents, foliasalacins A_1-A_4, B_1-B_3, and C, from the leaves of *Salacia chinensis*. Chem Pharm Bull. 2008; 56(7): 915-920.

[23] Nakamura S, Zhang Y, Pongpiriyadacha Y, Wang T, Matsuda H, Yoshikawa M, New triterpene constituents, foliasalacins A1—A4, B1—B3, and C, from the leaves of *Salacia chinensis*. Heterocycles. 2008; 75: 131-143.

[24] Kishi A, Morikawa T, Matsuda H, Yoshikawa M. Structures of new friedelane- and norfriedelane-type triterpenes and polyacylated eudesmane-type sesquiterpene from *Salacia chinensis* Linn. (*S. prinoides* DC., Hippocrateaceae) and radical scavenging activities of principal constituents. Chem Pharm Bull. 2003; 51(9): 1051-1055.

[25] Nakamura S, Zhang Y, Matsuda H, Ninomiya K, Muraoka O, Yoshikawa M. Chemical structures and hepatoprotective effects of constituents from the leaves of *Salacia chinensis*. Chem Pharm Bull. 2011; 59(8): 1020-1028.

[26] Nakamura S, Zhang Y, Wang T, Matsuda H, Yoshikawa M, New phenolic glycosides from the leaves of *Salacia chinensis.* Heterocycles. 2008; 75: 1435-1446.

[27] Zhang Y, Nakamura S, Pongpiriyadacha Y, Matsuda H, Yoshikawa M, Absolute structures of new megastigmane glycosides, foliasalaciosides E(1), E(2), E(3), F, G, H, and I from the leaves of *Salacia chinensis*. Chem Pharm Bull. 2008; 56(4): 547-553.

[28] Somwong P, Suttisri R, Buakeaw A. A new 1,3-diketofriedelane triterpene from *Salacia verrucosa*. Fitoterapia. 2011; 82(7): 1047-1051.

[29] Singha S, Yotmaneea P, Yahuafai J, Siripong P, Prabpai S, Sutthivaiyakit S. Siphonagarofurans A-J: Poly-O-acylated *β*-dihydroagarofuran sesquiterpenoids from the fruits of *Siphonodon celastrineus*. Phytochemistry. 2020; 174: 112345.

[30] Kaweetripob W, Mahidol C, Thongnest S, Prawat H, Ruchirawat S. Polyoxygenated ursane and oleanane triterpenes from *Siphonodon celastrineus*. Phytochemistry. 2016; 129: 58-67.

[31] Kaweetripob W, Mahidol C, Prawat H, Ruchirawat S. Lupane, friedelane, oleanane, and ursane triterpenes from the stem of *Siphonodon celastrineus* Griff. Phytochemistry. 2013; 96: 404-417.

[32] Niampoka C, Suttisri R, Bavovada R, Takayama H, Aimi N. Potentially cytotoxic triterpenoids from the root bark of *Siphonodon celastrineus* Griff. Arch Pharm Res. 2005; 28(5): 546-549.

[33] Itharat A, Houghton PJ, Eno-Amooquayec E, Burkec PJ, Sampson JH, Raman A. In vitro cytotoxic activity of Thai medicinal plants used traditionally to treat cancer. J Ethnopharm. 2004; 90(1): 33-38.

[34] Maneerat W, Phakhodee W, Ritthiwigrom T, Cheenpracha S, Promgool T, Yossathera K, Deachathai S, Laphookhieo S. Antibacterial carbazole alkaloids from *Clausena harmandiana* twigs. Fitoterapia. 2012; 83(6): 1110-1114.

[35] Songsiang U, Thongthoom T, Boonyarat C, Yenjai C. Claurailas A-D, cytotoxic carbazole alkaloids from the roots of *Clausena harmandiana*. J Nat Prod. 2011; 74: 208-12.

[36] Thongthoom T, Songsiang U, Phaosiri C, Yenjai C. Biological activity of chemical constituents from *Clausena harmandiana.* Arch Pharm Res. 2010; 33: 675-680.

[37] Noipha K, Thongthoom T, Songsiang U, Boonyarat C, Yenjai C. Carbazoles and coumarins from *Clausena harmandiana* stimulate glucose uptake in L6 myotubes. Diabetes Res Clin Pract. 2010; 90: 67-71.

[38] Yenjai C, Sripontan S, Sriprajun P, Kittakoop P, Jintasirikul A, Tanticharoen M, Thebtaranonth, Y. Coumarins and carbazoles with antiplasmodial activity from *Clausena harmandiana*. Planta Med. 2000; 66: 277-279.

[39] Choi YH, Seo C, Jeong W, Lee JE, Lee, JY, Ahn EK, Kang JS, Lee JH, Choi CW, Oh JS, Lee D, Hong SS. Glycopentanolones A-D, four new geranylated quinolone alkaloids from *Glycosmis pentaphylla.* Bioorg Chem. 2019; 87: 714-719.

[40] Zhang QB, Ding G, Zhang T, Si JG, Song B, Wang MH, Chenc JH, Yu M, Gu YC, Zou ZM. New furanopyridine alkaloids from the leaves of *Glycosmis pentaphylla*. Phytochem Lett. 2016; 18: 51-54.

[41]. Sakunpak A, Matsunami K, Otsuka H, Panichayupakaranant P. Isolation of new monoterpene coumarins from *Micromelum minutum* leaves and their cytotoxic activity against *Leishmania major* and cancer cells. Food Chem. 2013; 139(1-4): 458-463.

[42] Susidarti, RA, Rahmani M, Ismail HBM, Sukari MA, Hin TYY, Lian GEC, Ali AM. Cytotoxic activity of coumarins from *Micromelum minutum*. Pharm Biol. 2009; 47(2): 182-185.

[43] Rahmani M, Susidarti RA, Ismail HBM, Sukari MA, Taufiq-Yap YH, Ee GCL, Ali AM, Kulip J, Waterman PG. Coumarins from Malaysian *Micromelum minutum*. Phytochemistry. 2003; 64: 873-877.

[44] Susidarti RA, Rahmani M, Ismail HBM, Sukari MA, Taufiq-Yap YH, Ee GCL, Ali AM, Kulip J, Waterman PG. A new coumarin and triterpenes from Malaysian *Micromelum minutum*. Nat Prod Res. 2006; 20: 145-151.

[45] Wangthong S, Palaga T, Rengpipat S, Wanichwecharungruang SP, Chanchaisak P, Heinrich M. Biological activities and safety of Thanaka (*Hesperethusa crenulata*) stem bark. J Ethnopharm. 2010; 132(2): 466-472.

[46] Pratheeba T, Vivekanandhan P, Faezac NAK, Natarajan D. Chemical constituents and larvicidal efficacy of *Naringi crenulata* (Rutaceae) plant extracts and bioassay guided fractions against *Culex quinquefasciatus* mosquito (Diptera: Culicidae). Biocatalysis and Agricultural Biotechnology. 2019; 19:101137.

[47] Prajoubklang A, Sirithunyalug B, Charoenchai P, Suvannakad R, Sriubolmas N, Piyamongkol S, Kongsaeree P, Kittakoop P. Bioactive deoxypreussomerins and dimeric naphthoquinones from *Diospyros ehretioides* Fruits: deoxypreussomerins may not be plant metabolites but may be from fungal epiphytes or endophytes. Chem Biodivers. 2005; 2:1358-1367.

[48] Ichino C, Kiyohara H, Soonthornchareonnon N, Chuakul W, Ishiyama A, Sekiguchi H, Namatame M, Otoguro K, Omura, S, Yamada H. Antimalarial activity of biflavonoids from *Ochna integerrima*. Planta Med. 2006; 72(7): 611-614.

[49] Reutrakul V, Ningnuek N, Pohmakotr M, Yoosook C, Napaswad C, Kasisit J, Santisuk T, Tuchinda P. Anti HIV-1 flavonoid glycosides from *Ochna integerrima*. Planta Med. 2007; 73(7): 683-688.