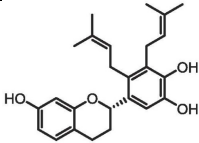
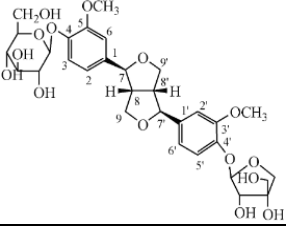
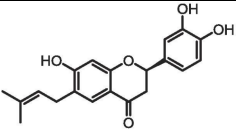
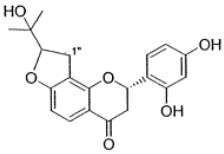
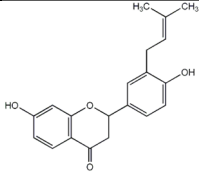
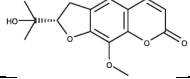
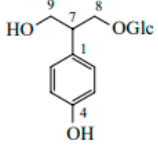
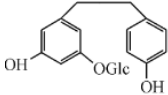
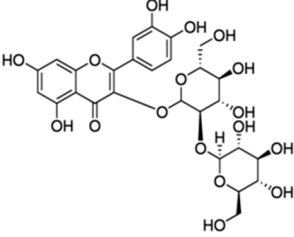
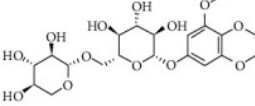
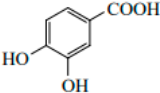
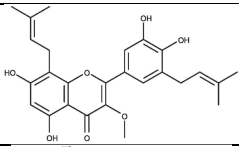
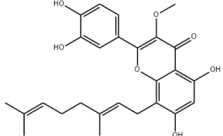
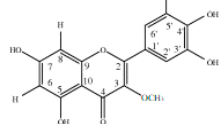
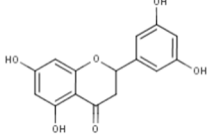
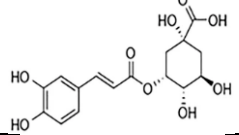
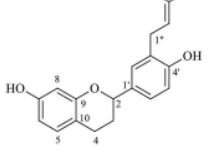
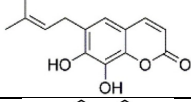
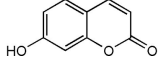
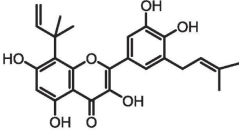
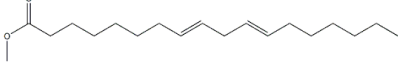
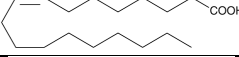
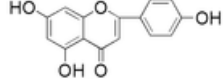
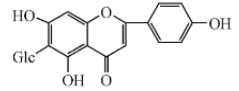
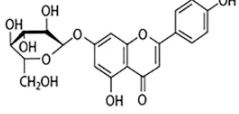
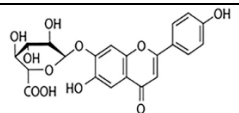
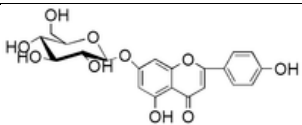
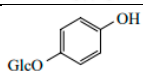
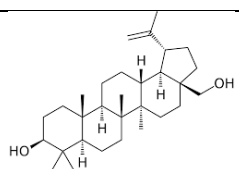
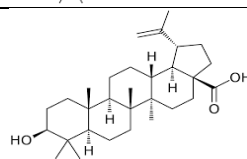
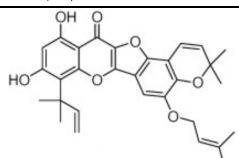
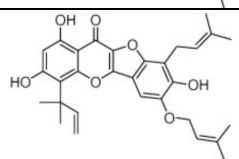
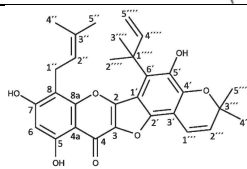
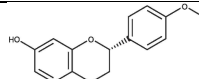
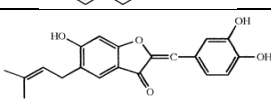
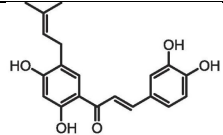
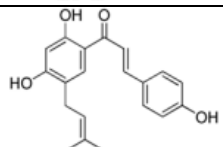
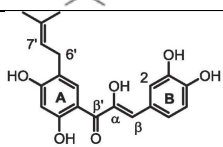
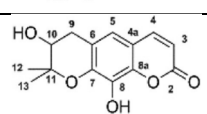


**Table S1.** Chemical structure of compounds in paper mulberry.

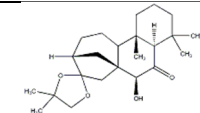
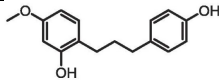
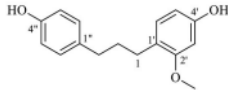
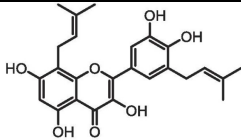
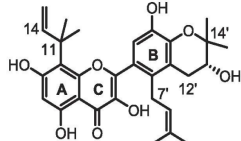
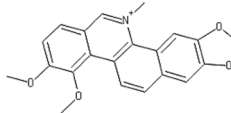
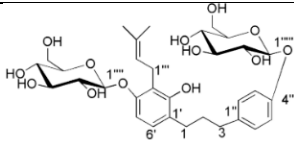
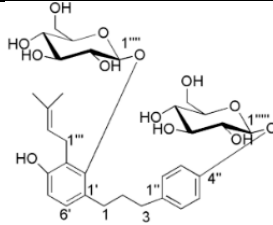
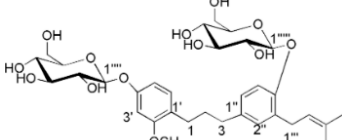
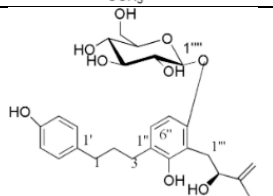
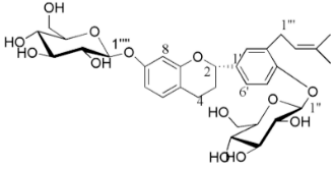
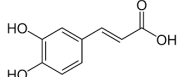
Compound	Chemical Structure
(-)-(2S)-kazinol I	
(+)-pinoresinol-4'-O-β-D-glucopyranosyl-4''-O-β-D-apiofuranoside	
(2R)-7, 3', 4'-trihydroxy-6-prenylflavanone	
(2S)-2',4'-dihydroxy-2''-(1-hydroxy-1-methylethyl) dihydrofuro[2,3-h] flavanone	
(2S)-abyssinone II	
(S)-8-methoxymarmesin	
2-(4-hydroxyphenyl) propane-1,3-diol-1-O-β-D-glucopyranoside	
3, 5, 4'-trihydroxy-bibenzyl-3-O-β-D-glucoside	
3,3',4',5,7-pentahydroxyflavone	
3,4,5-Trimethoxyphenyl-1-O-β-D-xylopyranosyl-β-D-glucopyranoside	
3,4-dihydroxybenzoic acid	

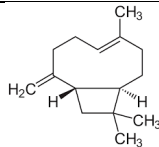
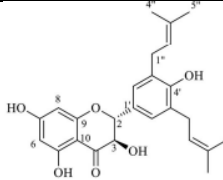
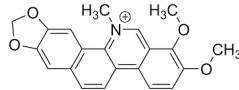
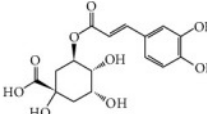
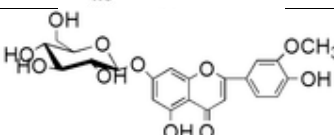
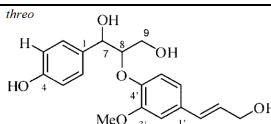
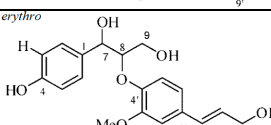
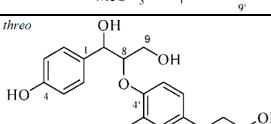
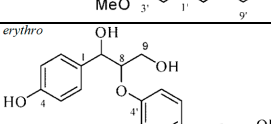
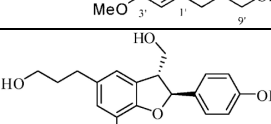
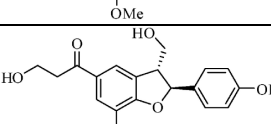
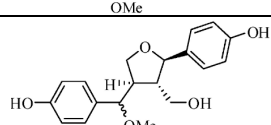
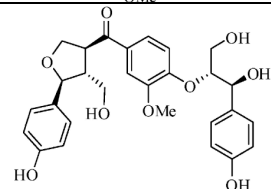
3,4-Dihydroxyisolonchocarpin	
3,5,7,4'-tetrahydroxy-3'-(2-hydroxy-3-methylbut-3-enyl) flavone	
3-[2-(4- hydroxyphenyl)-3-hydroxymethyl-2,3-dihydro-1-benzofuran-5-yl]propan-1-ol	
3'-[γ-hydroxymethyl-(E)-γ-methylallyl]-2,4,2',4'-tetrahydroxychalcone 11'-O-coumarate	
3'-(3-methylbut-2-enyl)-3',4',7-trihydroxyflavane	
4,5-Dicaffeoylquinic acid	
4-Caffeoylquinic acid	
4-Feruloylquinic acid	
4-hydroxybenzaldehyde	
4-hydroxyisolonchocarpin	
5,7,2',4'-tetrahydroxy-3-geranylflavone	

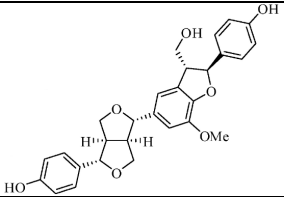
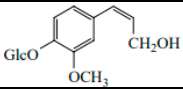
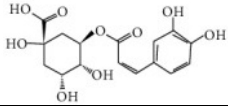
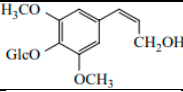
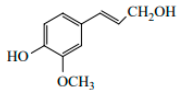
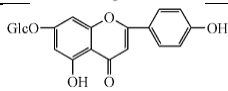
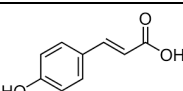
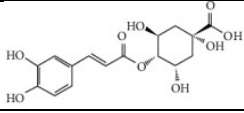
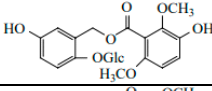
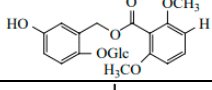
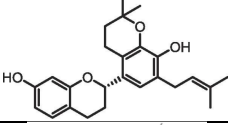
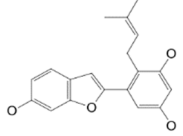
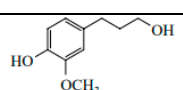
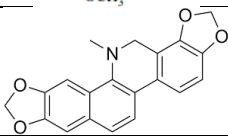
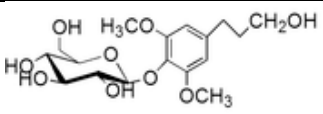
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5,7,3',4'-tetrahydroxy-3-methoxy-8-geranylflavone	
5,7,3',4'-tetrahydroxy-3-methoxyflavone	
5,7,3',5'-tetrahydroxyflavanone	
5-Caffeoylquinic acid	
7,4'-dihydroxy-3'-prenylflavan	
7,8-dihydroxy-6-(3-methylbut-2-en-1-yl)-2H-chromen-2-one	
7-hydroxycoumarin	
8-(1,1-Dimethylallyl)-5'-(3-methylbut-2-enyl)-3',4',5,7-tetrahydroxyflavonol	
8,11-Octadecadienoic acid	
8-Octadecenoic acid	
Apigenin	
Apigenin-6-C-β-D-glucopyranside	
Apigenin-7-glucoside	
Apigenin-7-O-glucuronide	

Apigenin-7-O- $\beta$ -D-glucoside	
Arbutine	
Betulin	
Betulinic acid	
Brossoflurenone A	
Brossoflurenone B	
Brossoflurenone C	
Broussin	
Broussoaurone A	
Broussochalcone A	
Broussochalcone B	
Broussochalcone C	
Broussocoumarin A	

Broussoflavan A	
Broussoflavanonol A	
Broussoflavonol B	
Broussoflavonol C	
Broussoflavonol F	
Broussoflavonol G	
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Broussoflavonol K	
Broussetone A	
Broussetone B	

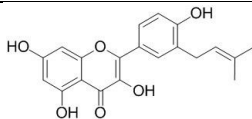
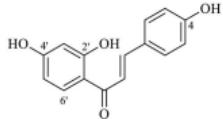
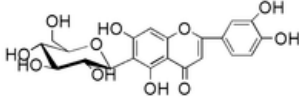
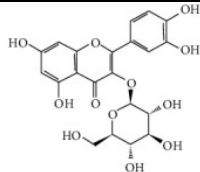
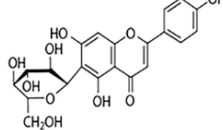
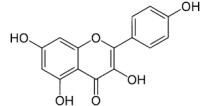
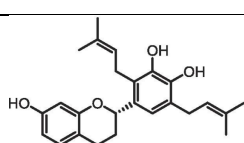
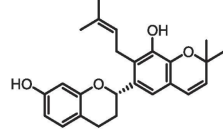
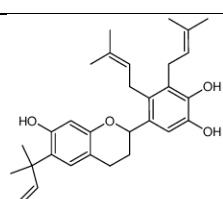
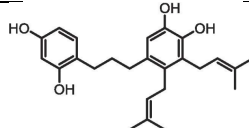
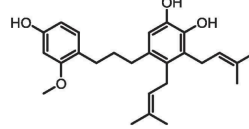
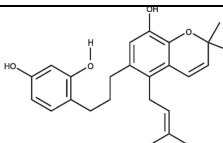
Broussonetone C	
Broussonin A	
Broussonin B	
Broussonol D	
Broussonol G	
Broussonpapyrine	
Broussoside A	
Broussoside B	
Broussoside C	
Broussoside D	
Broussoside E	
Caffeic acid	

Caryophyllene	
Cathayanon H	
Chelerythrine	
Chlorogenic acid	
Chrysoriol-7-O-β-D-glucoside	
Chushizisin A	
Chushizisin B	
Chushizisin C	
Chushizisin D	
Chushizisin E	
Chushizisin F	
Chushizisin G	
Chushizisin H	

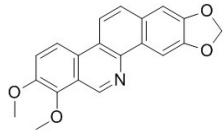
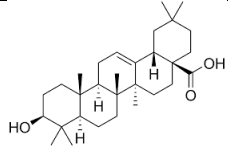
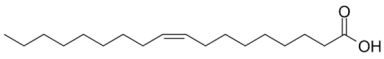
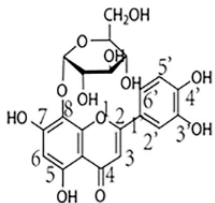
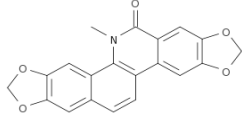
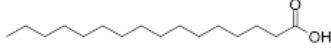
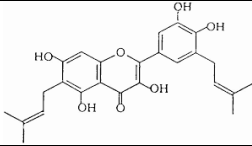
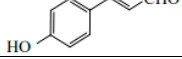
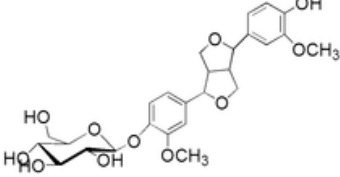
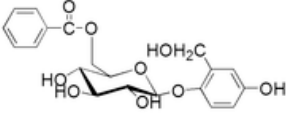
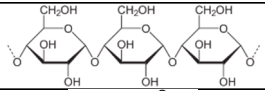
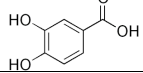
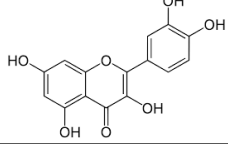
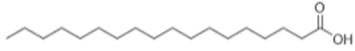
Chushizisin I	
<i>cis</i> -coniferin	
<i>cis</i> -form-5-coffee acylchlorogenic acid	
<i>cis</i> -syringin	
Coniferyl alcohol	
Cosmosiin	
Coumaric acid	
Cryptochlorogenic acid	
Curculigoside C	
Curculigoside I	
Daphnegiravan H	
Demethylmoracin I	
Dihydroconiferyl alcohol	
Dihydrosanguinarine	
Dihydrosyringin	

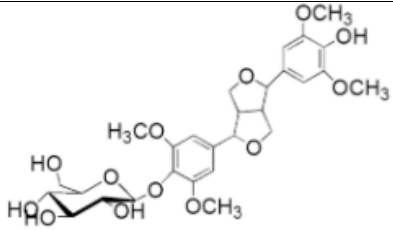
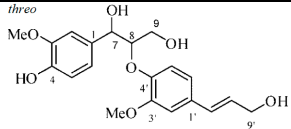
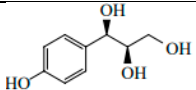
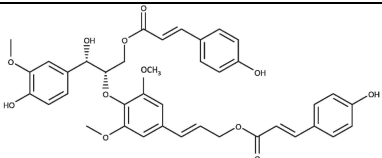
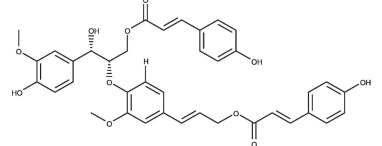
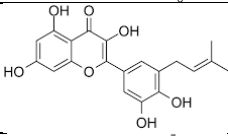
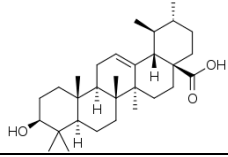
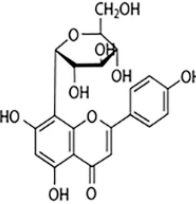


Epicatechin	
<i>erythro</i> -1-(4-hydroxy-3-methoxyphenyl)-2-{4-[(E)-3-hydroxy-1-propenyl]-2-methoxyphenoxy}-1,3-propanediol	
<i>erythro</i> -1-(4-hydroxyphenyl) glycerol	
Ferulic acid	
Fipsotwin	
Flacourtin	
Gentisoyl hexoside	
Glyasperin A	
Glycyrrhiza flavonol A	
Heptadecene-8-carbonic acid	
Hexadecanoic acid	
Isogemichalcone C	

Isolicoflavonol	
Isoliquiritigenin	
Isorientin	
Isoquercetin	
Isovitexin	
Kaempferol	
Kazinol A	
Kazinol B	
Kazinol E	
Kazinol F	
Kazinol J	
Kazinol M	

Kazinol N	
Kazinol Q	
Kazinol V	
Kazinol W	
Linolenic acid	
Liriodendrin	
Liriodenine	
Luteolin	
Luteolin-7-O-glucuronide	
Luteolin-7-O-β-D-glucopyranoside	
Luteoloside	
Marmesin	
Nitidine	

N-Norchelerythrine	
Oleanolic acid	
Oleic acid	
Orientin	
Oxyavicine	
Palmitic acid	
Papyriflavonol A	
<i>p</i> -coumaraldehyde	
Pinoresinol-4'-O-β-D-glucopyranoside	
Poliothyrsoside	
Polysaccharides	
Protocatechuic acid	
Quercetin	
Stearic acid	

Syringaresinol-4'-O-β-D-glucoside	
<i>threo</i> -1-(4-hydroxy-3-methoxyphenyl)-2-{4-[( <i>E</i> )-3-hydroxy-1-propenyl]-2-methoxyphenoxy}-1,3-propanediol	
<i>threo</i> -1-(4-hydroxyphenyl) glycerol	
<i>threo</i> -dadahol A	
<i>threo</i> -dadahol B	
Uralenol	
Ursolic acid	
Vitexin	
Vomifoliol	