**Table S1 |** A list of the 53 main components of HH lotion and their corresponding structures.

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| --- | --- | --- | --- | --- | --- |
| **No.** | **Molecular Formula** | **CAS** | **Molecule Name** | **Structure** | **Herb** |
| 1 | C6H8O7 | 77-92-9 | Citric acid |  | *Reynoutria japonica* Houtt |
| 2 | C7H6O5 | 149-91-7 | Gallic acid |  | *Paeonia veitchii* Lynch*, Reynoutria japonica* Houtt |
| 3 | C15H20O9 | 2585654-76-6 | 9-O-glucosyl 4-hydroxyphenyl-actic acid |  | *Salvia miltiorrhiza* Bunge |
| 4 | C15H20O10 | 2585654-77-7 | Danshensu 7-O-glucoside |  | *Salvia miltiorrhiza* Bunge |
| 5 | C18H19NO3 | 103541-15-7 | Clausenamide |  | *Phellodendron chinense* C.K.Schneid |
| 6 | C11H12O7 | 469-65-8 | Piscidic Acid |  | *Spatholobus suberectus* Dunn |
| 7 | C19H24NO3+ | 6801-40-7 | Magnocurarine |  | *Phellodendron chinense* C.K.Schneid |
| 8 | C13H16O9 | NA | Protocatechuic acid 3-glucoside |  | *Spatholobus suberectus* Dunn |
| 9 | C20H24NO4+ | 6873-13-8 | Phellodendrine |  | *Phellodendron chinense* C.K.Schneid |
| 10 | C23H29NO8 | NA | N-Methylhigenamine 7-glucopyranoside |  | *Phellodendron chinense* C.K.Schneid |
| 11 | C20H24NO4+ | 2141-09-5 | Magnoflorine |  | *Phellodendron chinense* C.K.Schneid |
| 12 | C15H14O6 | 154-23-4 | Catechin |  | *Spatholobus suberectus* Dunn*,Paeonia veitchii* Lynch*,*  *Reynoutria japonica* Houtt |
| 13 | C19H24NO3+ | 60008-01-7 | Oblongine |  | *Phellodendron chinense* C.K.Schneid |
| 14 | C23H28O12 | 1161828-55-2 | Oxyalbiflorin |  | *Paeonia veitchii* Lynch |
| 15 | C21H26NO4+ | 25342-82-9 | Menisperine |  | *Phellodendron chinense* C.K.Schneid*,*  *Coptis chinensis* Franch |
| 16 | C17H20O9 | 40242-06-6 | 5-O-Feruloylquinic acid |  | *Phellodendron chinense* C.K.Schneid |
| 17 | C23H28O11 | 39011-90-0 | Albiflorin |  | *Paeonia veitchii* Lynch |
| 18 | C15H14O6 | 490-46-0 | Epicatechin |  | *Spatholobus suberectus* Dunn |
| 19 | C23H28O11 | 23180-57-6 | Paeoniflorin |  | *Paeonia veitchii* Lynch |
| 20 | C21H25NO4 | 483-14-7 | Tetrahydropalmatine |  | *Phellodendron chinense* C.K.Schneid*,*  *Coptis chinensis* Franch |
| 21 | C19H16NO4+ | 38691-95-1 | Groenlandicine |  | *Coptis chinensis* Franch |
| 22 | C20H17NO5 | 549-21-3 | Oxyberberine | image | *Coptis chinensis* Franch |
| 23 | C17H20O9 | 62929-69-5 | 3-O-Feruloylquinic acid |  | *Phellodendron chinense* C.K.Schneid |
| 24 | C19H14NO4+ | 3486-66-6 | Coptisine |  | *Coptis chinensis* Franch*,*  *Phellodendron chinense* C.K.Schneid |
| 25 | C17H20O9 | 2613-86-7 | 4-O-Feruloylquinic acid |  | *Phellodendron chinense* C.K.Schneid |
| 26 | C20H20NO4+ | 3621-36-1 | Columbamine |  | *Phellodendron chinense* C.K.Schneid*,*  *Coptis chinensis* Franch |
| 27 | C22H22O10 | 20633-67-4 | Calycosin-7-glucoside |  | *Astragalus mongholicus* Bunge |
| 28 | C20H20NO4+ | 3621-38-3 | Jatrorrhizine |  | *Phellodendron chinense* C.K.Schneid*,*  *Coptis chinensis* Franch |
| 29 | C20H22O8 | 27208-80-6 | Polydatin |  | *Reynoutria japonica* Houtt |
| 30 | C20H18NO4+ | 2086-83-1 | Berberine |  | *Phellodendron chinense* C.K.Schneid*,*  *Coptis chinensis* Franch |
| 31 | C21H22NO4+ | 3486-67-7 | Palmatine |  | *Phellodendron chinense* C.K.Schneid*,*  *Coptis chinensis* Franch |
| 32 | C36H66N6O6 | NA | Cyclohexa isoleucine Isomer | NA | *Spatholobus suberectus* Dunn |
| 33 | C42H77N7O7 | NA | Cycloheptal isoleuine Isomer | NA | *Spatholobus suberectus* Dunn |
| 34 | C22H22O9 | 486-62-4 | Ononin |  | *Astragalus mongholicus* Bunge*,*  *Spatholobus suberectus* Dunn |
| 35 | C18H16O8 | 20283-92-5 | Rosmarinic acid |  | *Salvia miltiorrhiza* Bunge |
| 36 | C21H20O10 | 33037-46-6 | Aloe-emodin-8-O-β-D-glucoside |  | *Reynoutria japonica* Houtt |
| 37 | C27H22O12 | 28831-65-4 | Lithospermic acid |  | *Salvia miltiorrhiza* Bunge |
| 38 | C20H24O9 | 64032-49-1 | Torachrysone 8-O-glucoside |  | *Reynoutria japonica* Houtt |
| 39 | C21H20O10 | 23313-21-5 | Emodin 8-O-glucoside |  | *Reynoutria japonica* Houtt |
| 40 | C36H30O16 | 121521-90-2 | Salvianolic acid B |  | *Salvia miltiorrhiza* Bunge |
| 41 | C30H32O12 | 38642-49-8 | Benzoylpaeoniflorin |  | *Paeonia veitchii* Lynch |
| 42 | C30H32O12 | 184103-78-4 | Benzoylalbiflorin |  | *Paeonia veitchii* Lynch |
| 43 | C22H26O10 | 1184734-25-5 | Torachrysone O-acetylglucoside | NA | *Reynoutria japonica* Houtt |
| 44 | C26H30O8 | 1180-71-8 | Limonin |  | *Phellodendron chinense* C.K.Schneid*,*  *Coptis chinensis* Franch |
| 45 | C41H68O14 | 84687-43-4 | Astragaloside IV |  | *Astragalus mongholicus* Bunge |
| 46 | C41H68O14 | 136033-55-1 | Isoastragaloside IV |  | *Astragalus mongholicus* Bunge |
| 47 | C43H70O15 | 91739-01-4 | Astragaloside II |  | *Astragalus mongholicus* Bunge |
| 48 | C43H70O15 | 86764-11-6 | Isoastragaloside II |  | *Astragalus mongholicus* Bunge |
| 49 | C45H72O16 | 91739-00-3 | Astragaloside I |  | *Astragalus mongholicus* Bunge |
| 50 | C19H16O4 | 146362-71-2 | Tanshinaldehyde | image | *Salvia miltiorrhiza* Bunge |
| 51 | C45H72O16 | 84676-88-0 | Isoastragaloside I |  | *Astragalus mongholicus* Bunge |
| 52 | C15H10O5 | 518-82-1 | Emodin |  | *Reynoutria japonica* Houtt*,*  *Spatholobus suberectus* Dunn |
| 53 | C19H20O3 | 35825-57-1 | Cryptotanshinone |  | *Salvia miltiorrhiza* Bunge |