**Supplementary information**

Table S1. The cytotoxicity of plant crude extracts in A549 cells

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Botanical name** | **Part of plant** | **Extract** | **Abbreviation of crude extract** | **IC50 (μg/ml) of cell growth inhibition** | **Extract excluded in this study** |
| 1 | *Alisma orientalis* | Whole plant | Methanol | Ao-(WP)-M | > 100 |  |
| 2 | *Asparagus cochinchinensis* (Lour.) Merr. | Root | Methanol | ACM (R)-M | > 100 |  |
| 3 | *Broussonetia papyrifera* | Leaves | Methanol | BP (L)-M | > 100 |  |
| 4 | *Catharanthus roseus* | Whole plant | Methanol | CaR-(WP)-M | > 100 |  |
| 5 | *Clausena excavata* | Leaves | Methanol | Ce-(L)-M | > 100 |  |
| 6 | *Cinnamomum insulari-montanum* | Leaves | Methanol | CiM-(L)-M | > 100 |  |
| 7 | *Cornus officinalis* | Whole plant | Acetone | CO -(WP)-A | > 100 |  |
| Whole plant | Methanol | CO-(WP)-M | > 100 |  |
| 8 | *Euonymus japonicus* | Leaves | Acetone | EJa-L-A | > 100 |  |
|  |  |  |  |  |
| 9 | *Elaeocarpus sylvestris* | Leaves | Acetone | ES-(L)-A | > 100 |  |
| LeavesLeaves | ChloroformMethanol | ES-(L)-CES-(L)-M | > 100> 100 |  |
| 10 | *Fraxinus griffithii*  | LeavesLeavesLeaves | AcetoneChloroformMethanol | FG-(L)-AFG-(L)-CFG-(L)-M | > 100> 100> 100 |  |
| 11 | *Ficus septica* | Root Bark | Acetone | FS-(RB)-A | > 100 |  |
| Leaves | Methanol-Ethyl acetate | FS-(L)-M-ET | > 100 |  |
| Fruit | Methanol | FS-(F)-M | > 100 |  |
| HeartwoodLeavesLeavesLeavesStem | MethanolAcetoneChloroformMethanolMethanol | FS-(HW)-MFS-(L)-AFS-(L)-CFS-(L)-MFS-(S)-M | > 100> 100> 100> 100> 100 |  |
| 12 | *Ficus sarmentosa* var. *henryi* | Leaves | Acetone | FSVH-(L)-A | > 100 |  |
|  |  |  |  |  |
| 1314 | *Garcinia subelliptica**Lumnitzera racemosa* | Flower | Methanol | GS-(F)-M | > 100  |  |
| Leaves | Methanol | Lr-(L)-M | > 100 |  |
| 15 | *Litchi chinensis* | Leaves | Acetone | LC-(L)-A | > 100 |  |
| Leaves | Chloroform | LC-(L)-C | > 100 |  |
| Leaves | Methanol | LC-(L)-M | > 100 |  |
| StemStemStemFruitPericarpPericarp | AcetoneChloroformMethanol AcetoneAcetoneMethanol | LC-(S)-ALC-(S)-CLC-(S)-M LC-(FR)-ALC-(Peri)-ALC-(Peri)-M | > 100> 100> 100> 100> 100> 100 |  |
| 16 | *Phytolacca americana* | Whole plantWhole plant | Acetone Chloroform | PA-(WP)-A PA-(WP)-C | > 100 > 100 |  |
| 17 | *Pueraria lobata* | Whole plant | Methanol | PL -(WP)-M | > 100 |  |
| 18 | *Sida acuta* | Whole plant | Methanol | Sa-(WP)-M | > 100 |  |
| 19 | *Sambucus chinensis*Lindl | Whole plant | Chloroform | Scl-(WP)-A | > 100 |  |
| Whole plant | Methano | Scl-(WP)-C | > 100 |  |
| Whole plant | Methanol | Scl-(WP)-M | > 100 |  |
| 20 | *Scrophularia ningpoensis* | Whole plant | Methanol | SN-(WP)-M | > 100 |  |
|  |  |  |  |  |
| 21 | *Saurauia tristyla* var. *oldhamii* | Leaves | Methanol | STV-(L)-M | > 100 |  |
| 22 | *Tribulus terrestris* | FruitFruitFruitWhole plantWhole plantWhole plant | Acetone MethanolChloroformAcetoneChloroformMethanol | TT-(Fr)-A TT-(Fr)-MTT-(Fr)-CTT-(WP)-ATT-(WP)-CTT-(WP)-M | > 100> 100> 100> 100> 100> 100 |  |
| 23 | *Xanthium sibiricum* | FruitFruit | ChloroformMethanol | XS-(Fr)-CXS-(Fr)-M | > 100> 100 |  |
| 24 | *Strophanthus divaricatus* | Stem xylemStem xylemStem barkStem bark | AcetoneChloroformAcetoneMethanol | SD-sx-ASD-sx-CSD-sb-ASD-sb-M | **< 3.125****< 3.125****< 3.125****< .125** | **excluded excluded excluded excluded** |