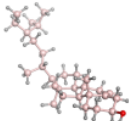
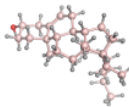
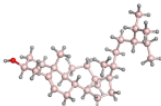
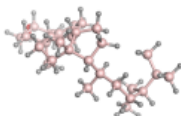
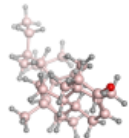


SUPPLEMENTARY TABLES

Supplementary Table 1. *Ranunculus ternatus* Thunb main active ingredients and related indicators.

| Mol ID | Molecule name | OB | DL |
|-----------|---------------------------------|-------|------|
| MOL011319 | Truflex OBP | 43.74 | 0.24 |
| MOL011328 | Stigmasta-4,6,8 | 48.02 | 0.77 |
| MOL011330 | vittadinoside_qt | 43.83 | 0.76 |
| MOL001494 | Mandenol | 42.00 | 0.19 |
| MOL001973 | Sitosteryl acetate | 40.39 | 0.85 |
| MOL000242 | 7-O-Methylesteriodictyol | 56.56 | 0.27 |
| MOL000358 | beta-sitosterol | 36.91 | 0.75 |
| MOL000449 | Stigmasterol | 43.83 | 0.76 |
| MOL005438 | campesterol | 37.58 | 0.71 |
| MOL006772 | poriferasterol monoglucoside_qt | 43.83 | 0.76 |
| MOL000953 | CLR | 37.87 | 0.68 |

Supplementary Table 2. Five sites of β -sitosterol binding to MK3 and binding energy

| Mol | S |
|---|---------|
|  | -6.0349 |
|  | -5.9025 |
|  | -5.6048 |
|  | -5.5770 |
|  | -5.5684 |