

Supplementary Materials: Anti-Dengue Virus Constituents from Formosan Zoanthid *Palythoa mutuki*

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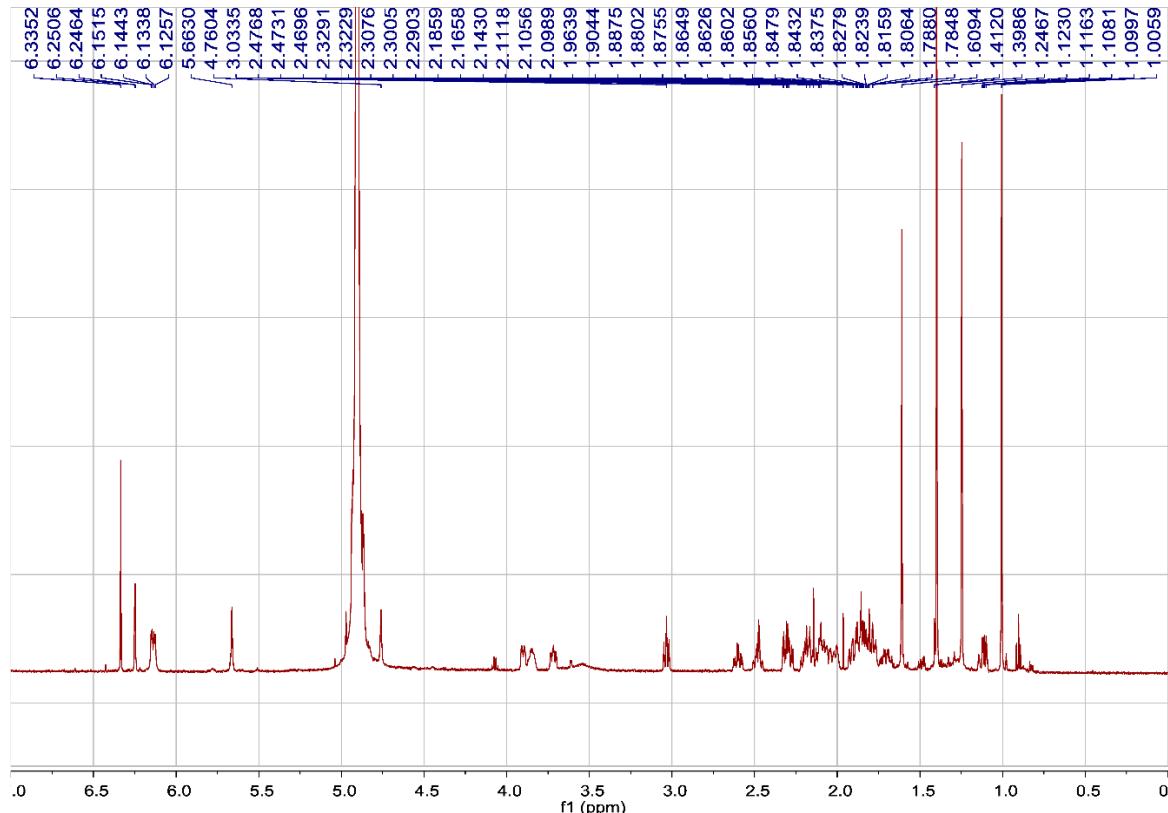


Figure S1. ¹H NMR spectrum (600 MHz, pyridine-*d*₅) of palythone A (1).

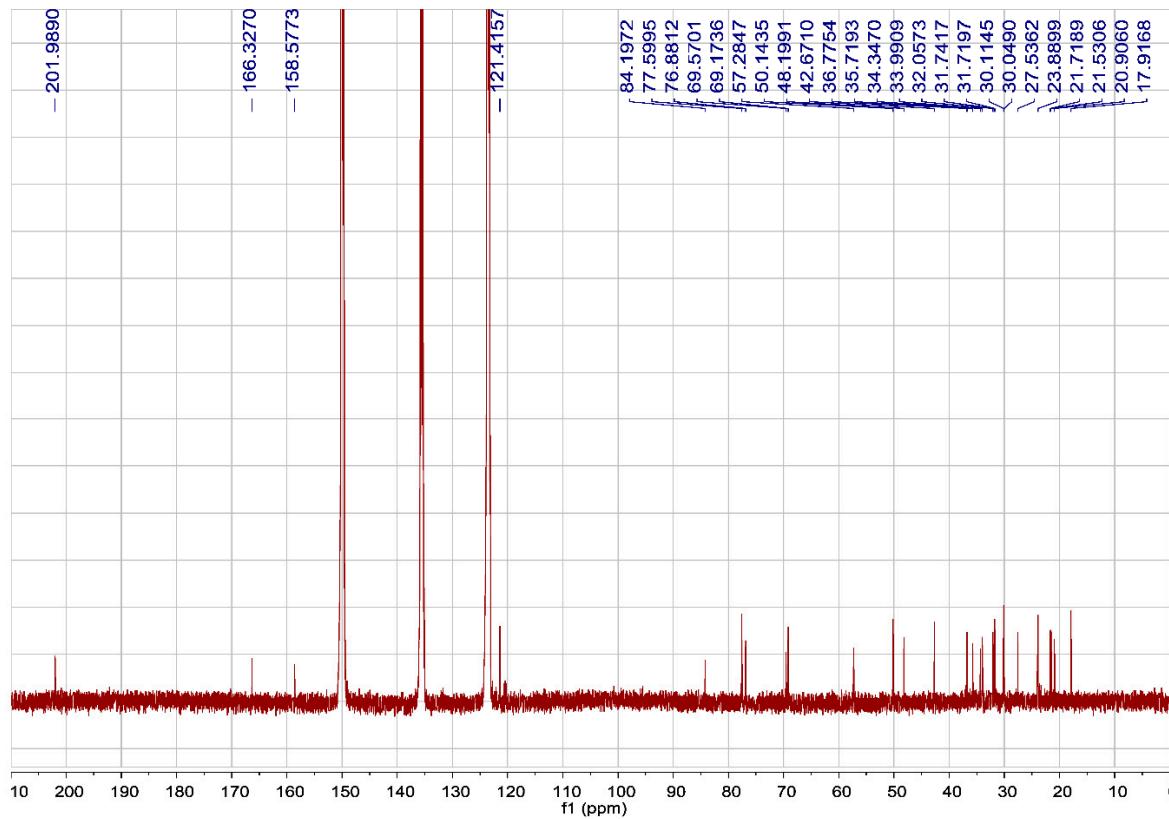


Figure S2. ^{13}C NMR spectrum (150 MHz, pyridine- d_5) of palythone A (1).

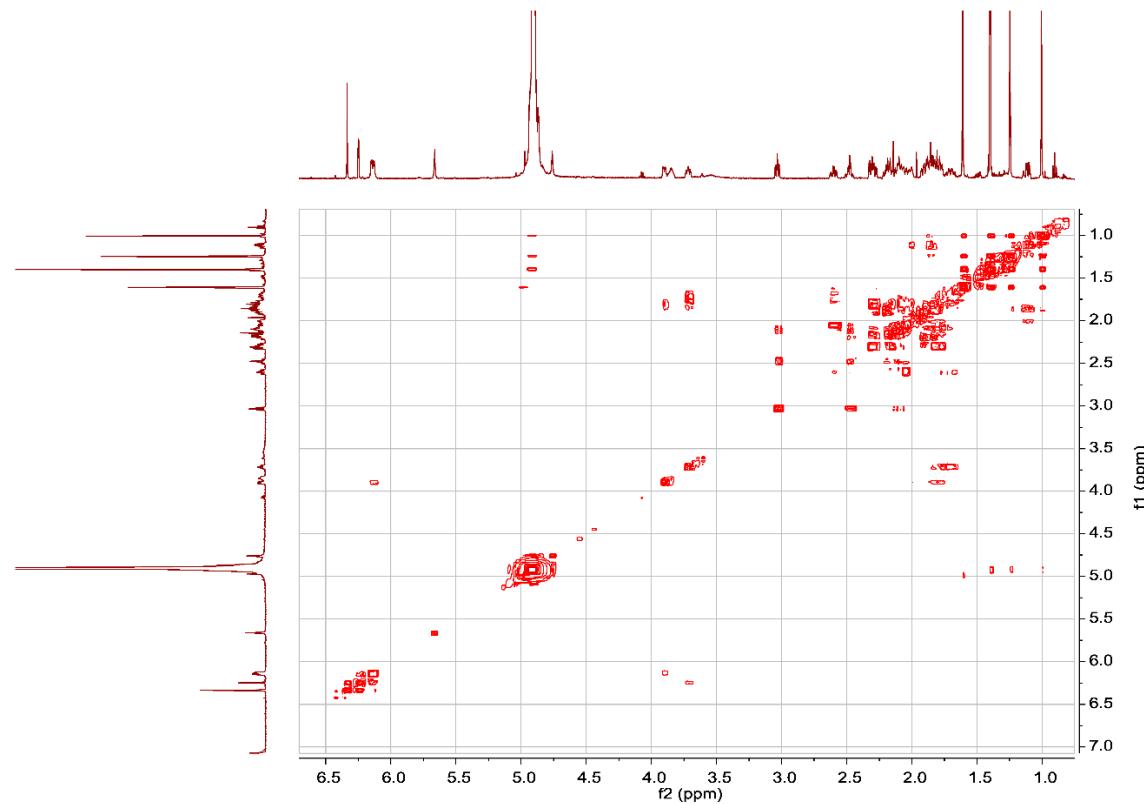


Figure S3. COSY spectrum (600 MHz, pyridine- d_5) of palythone A (1).

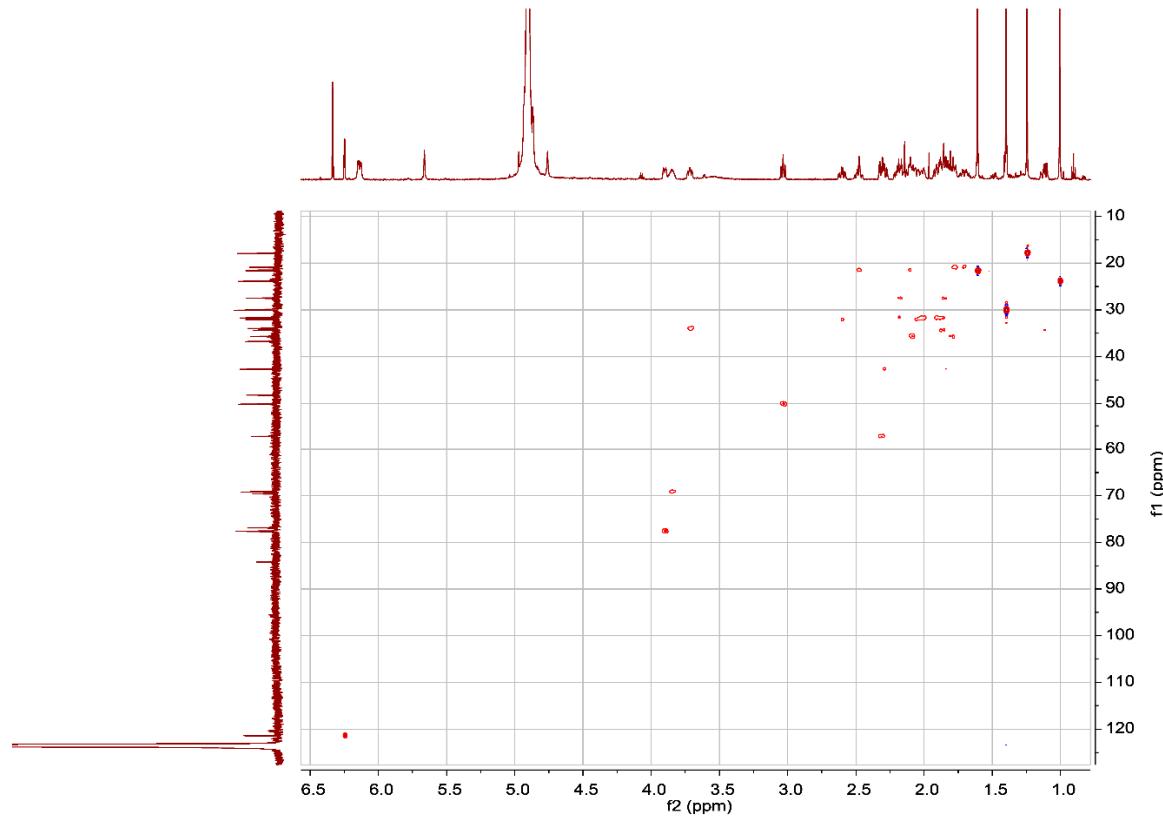


Figure S4. HSQC spectrum (600 MHz, pyridine-*d*₅) of palythone A (**1**).

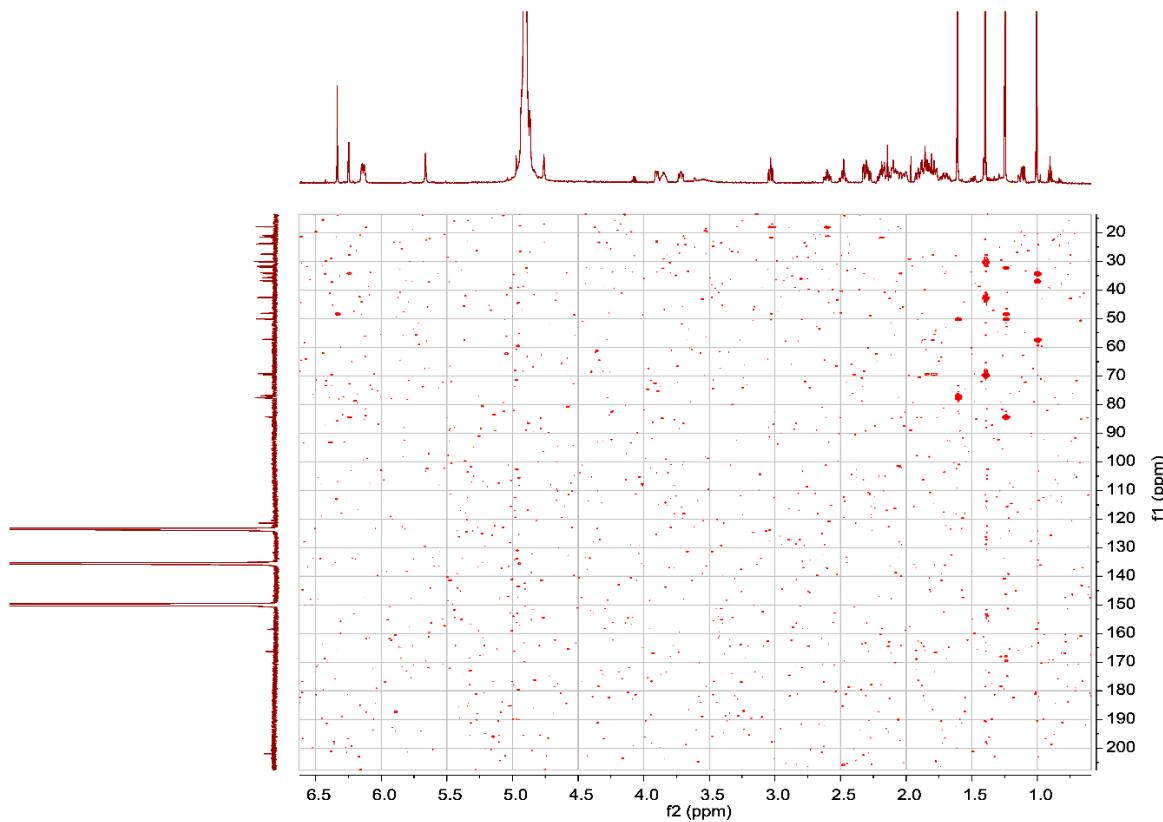


Figure S5. HMBC spectrum (600 MHz, pyridine-*d*₅) of palythone A (**1**).

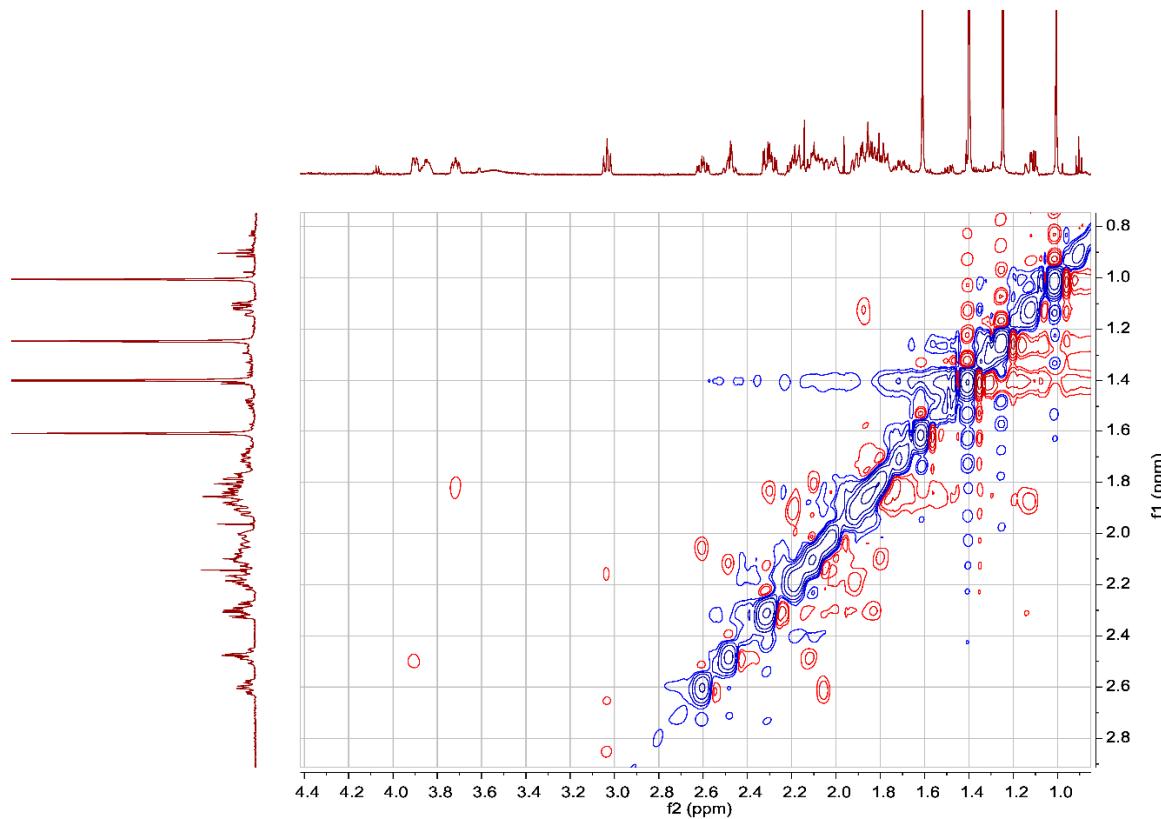
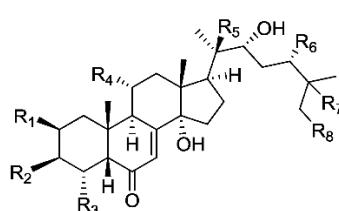
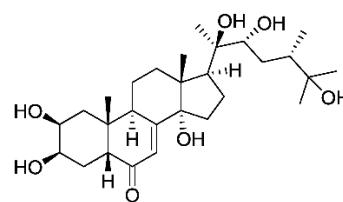


Figure S6. NOESY spectrum (600 MHz, pyridine-*d*₅) of palythone A (**1**).

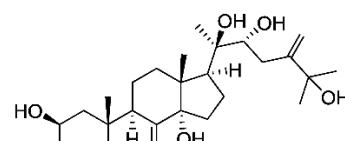
Dataset A: 17 ecdysteroids



- 1** R₁ = R₂ = OH, R₃ = H, R₄ = R₅ = OH, R₆ = H, R₇ = OAc, R₈ = H
- 2** R₁ = R₂ = H, R₃ = OH, R₄ = H, R₅ = OH, R₆ = H, R₇ = OH, R₈ = H
- 3** R₁ = R₂ = OH, R₃ = R₄ = H, R₅ = OH, R₆ = H, R₇ = OAc, R₈ = H
- 4** R₁ = R₂ = OH, R₃ = H, R₄ = R₅ = OH, R₆ = R₇ = R₈ = H
- 5** R₁ = OH, R₂ = OAc, R₃ = R₄ = H, R₅ = OH, R₆ = H, R₇ = OH, R₈ = H
- 6** R₁ = OAc, R₂ = OH, R₃ = R₄ = H, R₅ = OH, R₆ = H, R₇ = OH, R₈ = H
- 7** R₁ = R₂ = OH, R₃ = R₄ = H, R₅ = OH, R₆ = H, R₇ = OH, R₈ = H
- 8** R₁ = R₂ = OH, R₃ = R₄ = R₅ = R₆ = H, R₇ = OH, R₈ = H
- 9** R₁ = H, R₂ = OH, R₃ = R₄ = H, R₅ = OH, R₆ = H, R₇ = OH, R₈ = H
- 10** R₁ = OH, R₂ = R₃ = R₄ = H, R₅ = OH, R₆ = H, R₇ = OH, R₈ = H
- 11** R₁ = R₂ = OH, R₃ = R₄ = H, R₅ = OH, R₆ = R₇ = R₈ = H
- 12, 13** R₁ = R₂ = OH, R₃ = R₄ = H, R₅ = OH, R₆ = R₇ = H, R₈ = OH
- 14** R₁ = R₂ = OH, R₃ = R₄ = H, R₅ = R₆ = OH, R₇ = R₈ = H
- 15** R₁ = R₂ = OH, R₃ = H, R₄ = R₅ = OH, R₆ = H, R₇ = OH, R₈ = H



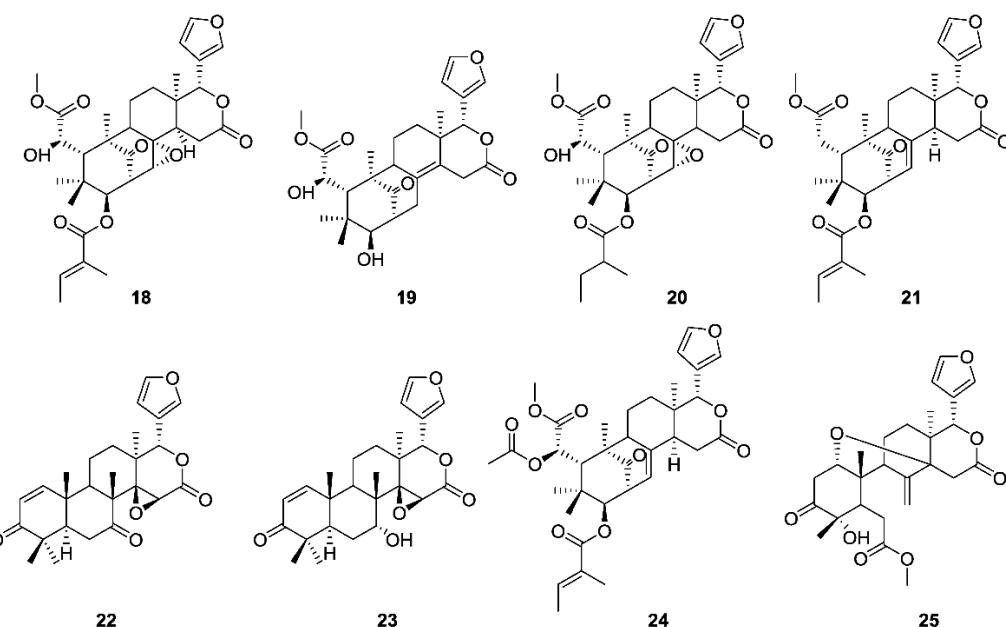
16



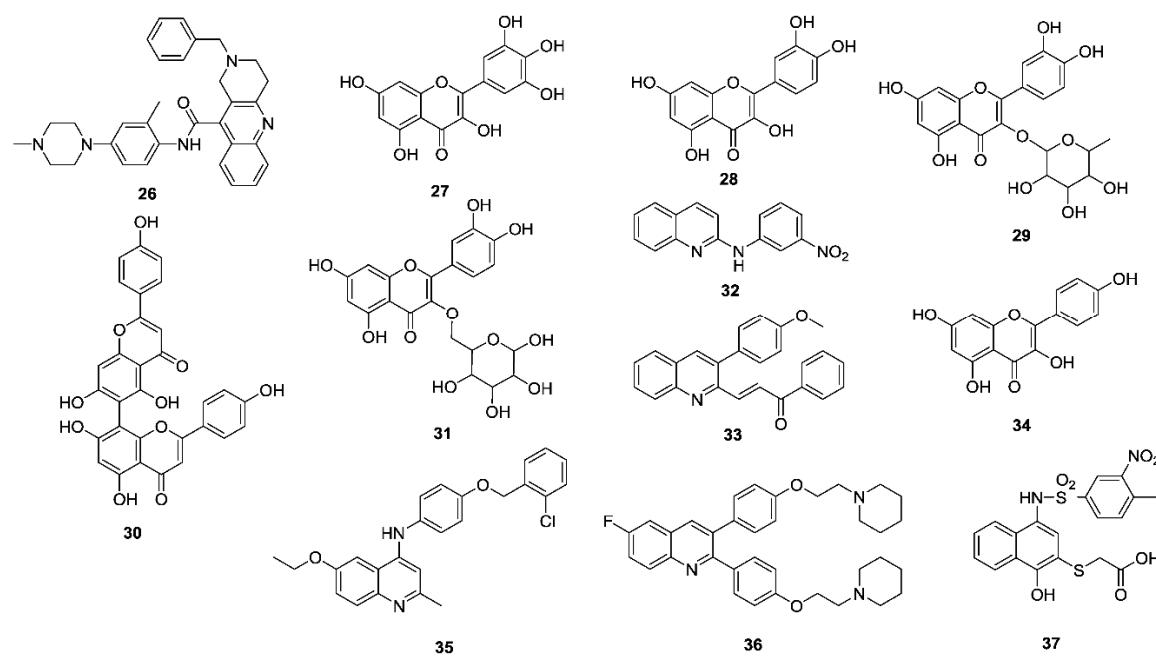
17

Figure S7. Cont.

Dataset B: 8 limonoids



Dataset C: 12 non-peptidic compounds

**Figure S7.** Structure of all anti-dengue virus compounds in Figure 4.