Supplementary Information

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Figure S1. ¹H-NMR Spectrum of 1 in CD₃OD.



Figure S2. ¹³C-NMR Spectrum of 1 in CD₃OD.



Figure S3. DEPT Spectrum of 1 in CD₃OD.



Figure S4. COSY Spectrum of 1 in CD₃OD.





Figure S5. HMQC Spectrum of 1 in CD₃OD.



Figure S6. HMBC Spectrum of 1 in CD₃OD.

Figure S7. NOESY Spectrum of 1 in CD₃OD.



Figure S8. ¹H-NMR Spectrum of 2 in CD₃OD.



Figure S9. ¹³C-NMR Spectrum of 2 in CD₃OD.



Figure S10. DEPT Spectrum of 2 in CD₃OD.







CN-15-85-7-P2-H1-H1 Pulse Sequence: gHSQCAD F2 (ppm) 3.0---3.5-4.0-4.5-5.0-5.5-6.0-6.5-: ----7.0-= 140 ,7.5-110 60 50 40 130 100 120 90 80 70 F1 (ppm)

Figure S12. HMQC Spectrum of 2 in CD₃OD.

Figure S13. HMBC Spectrum of 2 in CD₃OD.



Figure S14. NOESY Spectrum of 2 in CD₃OD.



Figure S15. ¹H-NMR Spectrum of 3 in CDCl₃.



Figure S16. ¹³C-NMR Spectrum of **3** in CDCl₃.

CN-13-S5-4-P2-H5



Figure S17. DEPT Spectrum of 3 in CDCl₃.



Figure S18. COSY Spectrum of 3 in CDCl₃.



Figure S19. HMQC Spectrum of 3 in CDCl₃.



Figure S20. HMBC Spectrum of 3 in CDCl₃.



Figure S21. NOESY Spectrum of 3 in CDCl₃.



Figure S22. ¹H-NMR Spectrum of 4 in CDCl₃.





Partition Layer	Superoxide Anion	Elastase Release
	(Inh %)	(Inh %)
EtOAc	(8.58 ± 0.33) **	(60.53 ± 9.06) *
80% EtOH	(28.52 ± 2.55) **	(68.33 ± 5.49) **
<i>n</i> -hexane	(13.40 ± 0.29) ***	(17.71 ± 7.54)

Table S1. Anti-inflammatory effects of ethanol extraction of *C. nutans* on superoxide anion generation and elastase release by human neutrophils in response to FMLP/CB.

Percentage of inhibition (Inh %) at 10 μ g/mL concentration. Results are presented as mean \pm S.E.M. (n = 2). * p < 0.05, ** p < 0.01, *** p < 0.001 compared with the control value.

Figure S24. Anti-dengue virus 2 result of ethanol extraction of *C. nutans*.



Figure S25. Immune-modulating result of 80% EtOH layer.

