**In vitro** Anti-HMPV Activity of New Synthetic Phenytoin Derivatives

Gabriella Mendes,a Geisa H. Aspesi,b Ana L. A. Arruda,b Maria T. V. Romanos,a and Carlos K. Z. Andrade*a,c

*aLaboratório Experimental de Drogas Antivirais e Citotóxicas (LEDAC), Departamento de Virologia do Instituto de Microbiologia Paulo Góes, Universidade Federal de Rio de Janeiro, UFRJ, CP 6804, 21941-590 Rio de Janeiro-RJ, Brazil

bDepartamento de Ciências Biológicas e da Saúde, Universidade Católica Dom Bosco, UCDB, Avenida Tamandaré 6000, 79117-900 Campo Grande-MS, Brazil

cLaboratório de Química Metodológica e Orgânica Sintética, LaQMOS, Instituto de Química, Universidade de Brasília, CP 4478, 70910-970 Brasília-DF, Brazil

Figure S1. 1H NMR (300 MHz, CDCl3) spectrum of compound 3.

*e-mail: ckleber@unb.br
Figure S2. $^1$H NMR (300 MHz, CDCl$_3$) spectrum expansion of compound 3.

Figure S3. $^{13}$C NMR (75.46 MHz, CDCl$_3$) spectrum of compound 3.
Figure S4. $^{13}$C NMR (75.46 MHz, CDCl$_3$) spectrum expansion of compound 3.

Figure S5. Infrared spectrum (KBr) of compound 3.
Figure S6. $^1$H NMR (300 MHz, CDCl$_3$) spectrum of compound 4.

Figure S7. $^1$H NMR (300 MHz, CDCl$_3$) spectrum expansion of compound 4.
Figure S8. $^{13}$C NMR (75.46 MHz, CDCl$_3$) spectrum of compound 4.

Figure S9. Infrared spectrum (KBr) of compound 4.
Figure S10. $^1$H NMR (300 MHz, DMSO-$d_6$) spectrum of compound 1.

Figure S11. $^1$H NMR (300 MHz, DMSO-$d_6$) spectrum expansion of compound 1.
Figure S12. $^{13}$C NMR (75.46 MHz, DMSO-$d_6$) spectrum of compound 1.

Figure S13. $^{13}$C NMR (75.46 MHz, DMSO-$d_6$) spectrum expansion of compound 1.
**Figure S14.** Infrared spectrum (KBr) of compound 1.

**Figure S15.** $^1$H NMR (300 MHz, CDCl$_3$) spectrum of compound 5.
Figure S16. $^1$H NMR (75.46 MHz, CDCl$_3$) spectrum of compound 5.

Figure S17. $^1$H NMR (75.46 MHz, CDCl$_3$) spectrum expansion of compound 5.
Figure S18. Infrared spectrum (KBr) of compound 5.

Figure S19. $^1$H NMR (300 MHz, CDCl$_3$) spectrum of compound 6.
Figure S20. $^1$H NMR (300 MHz, CDCl$_3$) spectrum expansion of compound 6.

Figure S21. $^{13}$C NMR (75.46 MHz, CDCl$_3$) spectrum of compound 6.
Figure S22. $^{13}$C NMR (75.46 MHz, CDCl$_3$) spectrum expansion of compound 6.

Figure S23. Infrared spectrum (KBr) of compound 6.
Figure S24. $^1$H NMR (300 MHz, CDCl$_3$) spectrum of compound 7.

Figure S25. $^1$H NMR (300 MHz, CDCl$_3$) spectrum expansion of compound 7.
Figure S26. $^{13}$C NMR (75.46 MHz, CDCl$_3$) spectrum of compound 7.

Figure S27. $^{13}$C NMR (75.46 MHz, CDCl$_3$) spectrum expansion of compound 7.
Figure S28. Infrared spectrum (KBr) of compound 7.

Figure S29. $^1$H NMR (300 MHz, CDCl$_3$) spectrum of compound 8.
Figure S30. $^1$H NMR (300 MHz, CDCl$_3$) spectrum expansion of compound 8.

Figure S31. $^{13}$C NMR (75.46 MHz, DMSO-$d_6$) spectrum of compound 8.
Figure S32. Infrared spectrum (KBr) of compound 8.

Figure S33. $^1$H NMR (300 MHz, DMSO-$d_6$) spectrum of compound 9.
Figure S34. $^{13}$C NMR (75.46 MHz, DMSO-$d_6$) spectrum of compound 9.

Figure S35. $^{13}$C NMR (75.46 MHz, DMSO-$d_6$) spectrum expansion of compound 9.
Figure S36. Infrared spectrum (KBr) of compound 9.