Supporting Information

Synthesis and Biological evaluation of quinoline derivatives as a novel class of broad-spectrum antibacterial agents

Hai-Gen Fu, Zhi-Wen Li, Xin-Xin Hu, Xue-Lian Zhang, Shu-Yi Si, Xue-Fu You, Sheng Tang, Yan-Xiang Wang, Dan-Qing Song Figure S1. ¹H NMR (top) and ¹³C NMR (bottom) of 5-Chloro-13-methyl-3, 4-dihydro-2H-[1, 3]

oxazino-[5, 6-h]quinoline (4a)



Figure S2. ¹H NMR (top) and ¹³C NMR (bottom) of 5-Chloro-13-propyl-3, 4-dihydro-2H-[1,3]

oxazino-[5, 6-h]quinoline (4b)



Figure S3. ¹*H NMR (top) and* ¹³*C NMR (bottom) of 5-Chloro-13-isopropyl-3, 4-dihydro-2H-[1, 3] oxazino-[5, 6-h]quinoline (4c)*



Figure S4. ¹*H NMR (top) and* ¹³*C NMR (bottom) of 5-Chloro-13-allyl-3, 4-dihydro-2H-[1, 3] oxazino-[5, 6-h]quinoline (4d)*



Figure S5. ¹H NMR (top) and ¹³C NMR (bottom) of 5-Chloro-13-(prop-2-yn-1-yl)-3, 4-dihydro-2H-[1,

3] oxazino-[5, 6-h]quinoline (4e)



Figure S6. ¹*H NMR (top) and* ¹³*C NMR (bottom) of 5-Chloro-13-(2-dimethylaminoethyl)-3, 4dihydro-2H-[1, 3]oxazino-[5, 6-h]quinoline (4f)*



Figure S7. ¹H NMR (top) and ¹³C NMR (bottom) of 5-Chloro-13-cyanoethyl-3, 4-dihydro-2H-[1, 3]

oxazino[5, 6-h]quinoline (4g)



Figure S8. ¹H NMR (top) and ¹³C NMR (bottom) of 5-Chloro-13-methoxycarbonylmethyl-3,4-

dihydro-2H-[1,3]oxazino[5,6-h]quinoline (4h)



Figure S9. ¹H NMR (top) and ¹³C NMR (bottom) of 5-Chloro-13-benzoxycarbonylmethyl-3,4-dihydro-

2H-[1,3]oxazino[5,6-h]quinoline (4i)



Figure S10. ¹H NMR (top) and ¹³C NMR (bottom) of 5-Chloro-13-cyclopropyl-3,4-dihydro-2H-





Figure S11. ¹*H NMR (top) and* ¹³*C NMR (bottom) of 5-Chloro-13-[2-(pyrrolidin-1-yl)ethyl]-3,4-dihydro- 2H-[1,3]oxazino[5,6-h]quinoline (4k)*



Figure S12. ¹*H NMR (top) and* ¹³*C NMR (bottom) of 5-Chloro-13-[(tetrahydro-2H-pyran-4-yl)methyl]-* 3,4-dihydro-2H-[1,3]oxazino[5,6-h]quinoline (**4***l*)



Figure S13. ¹H NMR (top) and ¹³C NMR (bottom) of 5-Chloro-13-morpholinopropyl-3,4-

dihydro-2H-[1,3]oxazino[5,6-h]quinoline (4m)



Figure S14. ¹H NMR (top) and ¹³C NMR (bottom) of 5-Chloro-7-(pyrrolidin-1-yl-methyl)quinolin-8-ol

(**5***a*)





Figure S15. ¹H NMR (top) and ¹³C NMR (bottom) of 5-Chloro-7-(morpholinomethyl)quinolin-8-ol (5b)

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Figure S16. ¹H NMR (top) and ¹³C NMR (bottom) of 5-Chloro-7-[(4-methylpiperazin-1-yl)methyl]

quinolin-8-ol (5c)



Figure S17. ¹H NMR (top) and ¹³C NMR (bottom) of 7-[4-[(5-chloro-8-hydroxyquinolin-7-yl)methyl]



Figure S18. ¹H NMR (top) and ¹³C NMR (bottom) of 7,7'-[[(3-ethoxypropyl)azanediyl]bis(methylene)]

bis(5-chloroquinolin-8-ol) (6a)

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Figure S19. ¹H NMR (top) and ¹³C NMR (bottom) of (S)-ethyl-2-[bis[(5-chloro-8-hydroxyquinolin-

7-yl)methyl]amino]-3-phenylpropanoate (6b)

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