Effect of new carbonyl cyanide aromatic hydrazones on biofilm inhibition against Methicillin Resistant *Staphylococcus Aureus*

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Content

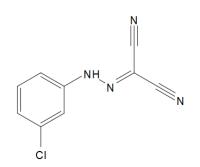
Copies of NMR spectra of compounds 2a-2q

S2-S18

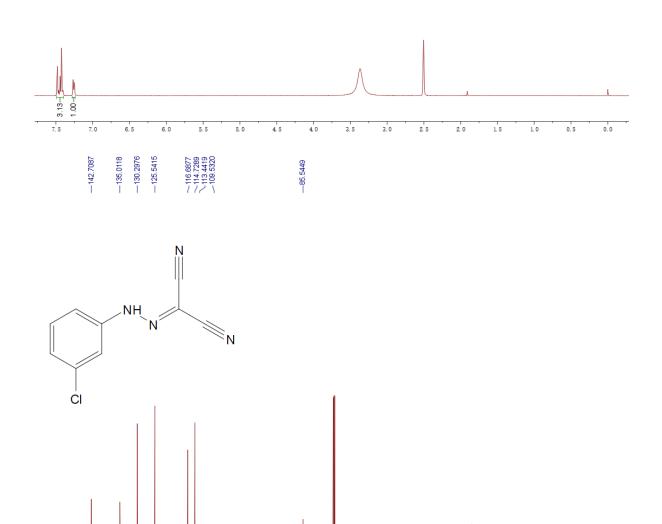


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---3.3667







80 70 f1 (mm) Figure S1. ¹H-NMR and ¹³C-NMR spectra of compound 2a.

<82573 <82441 <1200 -3,4497 -2.4998 N CL NH N MN N Ν 8 8 8.5 5.5 8.0 7.5 7.0 6.5 ٤.0 5.0 2.0 2.5 2.0 1.5 1.0 0.5 0.0 4.5 4.0 f1 (spe) 2.5 ~ 153.6044 --151.8550 ~149.8062 1114.6018 1111.3276 1110.8569 1110.6046 N -114.6018 111.3276 110.8569 110.6046 CI. NH `N[⊄] ^ΣΝ Ν 120 115 110 f1 (ppm) 100 1 95 105



80 5 (---)

90

70

60

50

20

10

0

30

40

160

150

140

130

120

110

100

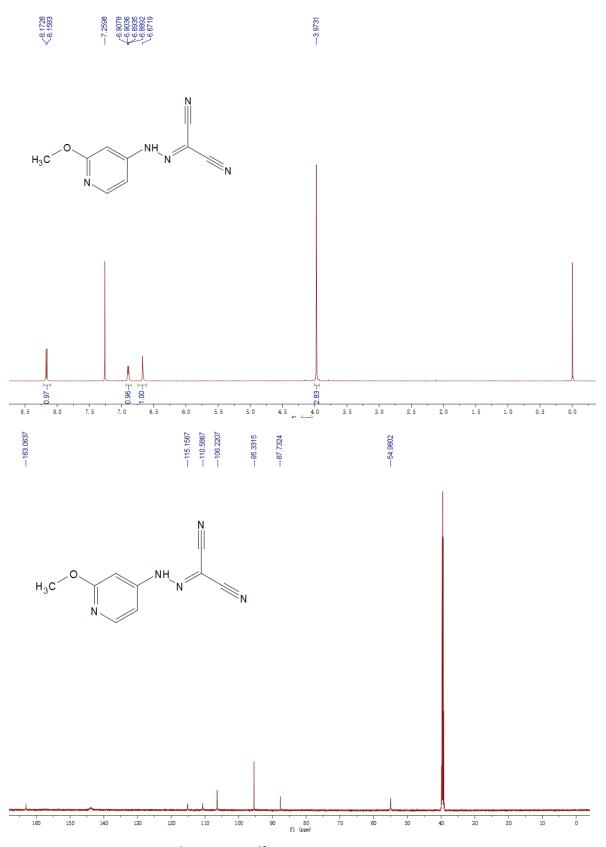
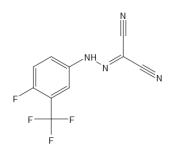


Figure S3. ¹H-NMR and ¹³C-NMR spectra of compound **2c**.





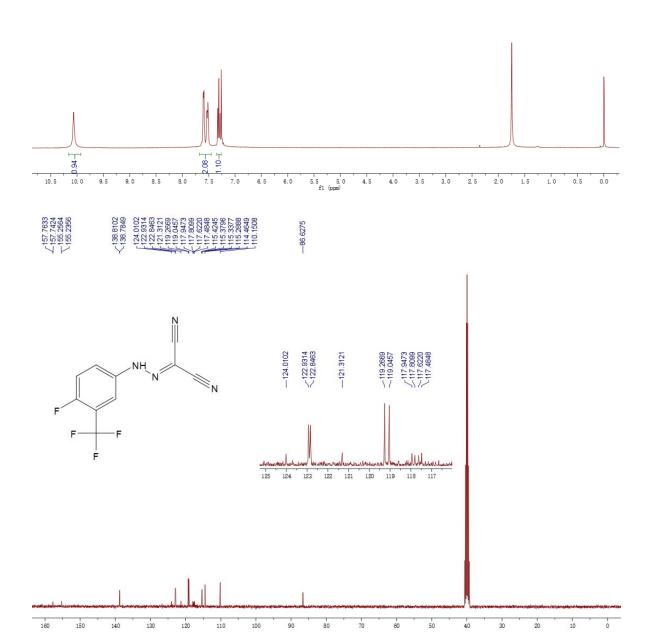
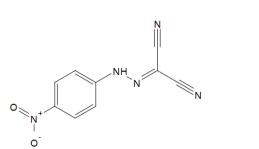


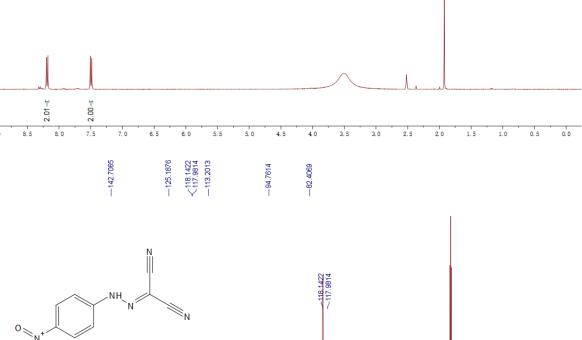
Figure S4. ¹H-NMR and ¹³C-NMR spectra of compound **2d**.





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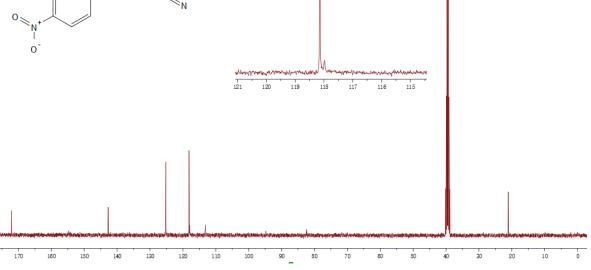
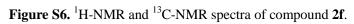


Figure S5. ¹H-NMR and ¹³C-NMR spectra of compound 2e.



---2.5118

NH N ≷N o^{∕N⁺} <u>`0</u> 4.5 f1 (ppm) 8.5 7.5 7. 0 6. 0 5. 5 5. 0 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0 6.5 —148.4065 —144.2743 39.9248 59.6487 39.6487 39.5095 39.3704 39.2312 39.2312 N ∕‱<mark>N</mark> Ν 0^N 0 10 100 50 150 140 130 120 110 90 80 70 60 40 30 20 0



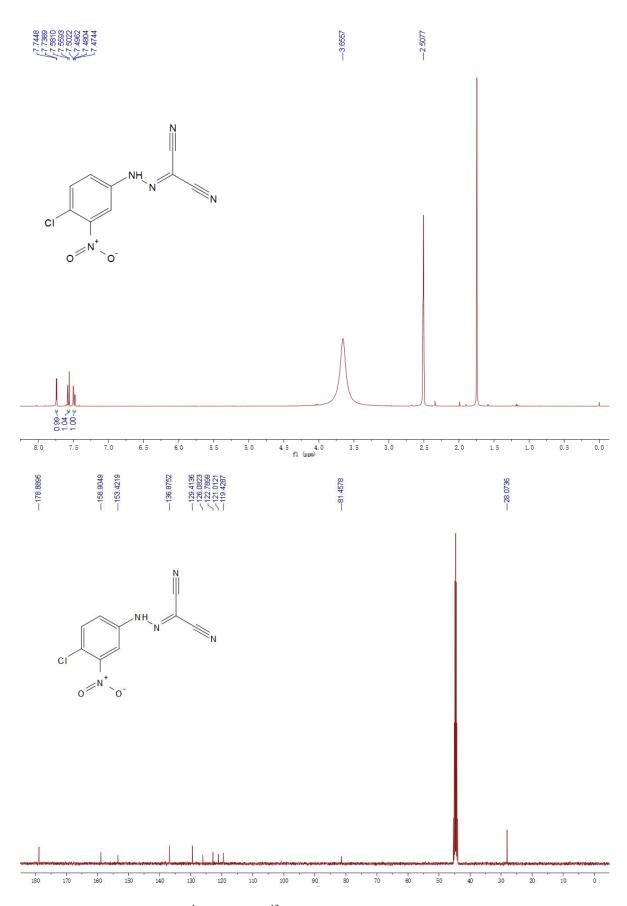


Figure S7. ¹H-NMR and ¹³C-NMR spectra of compound 2g

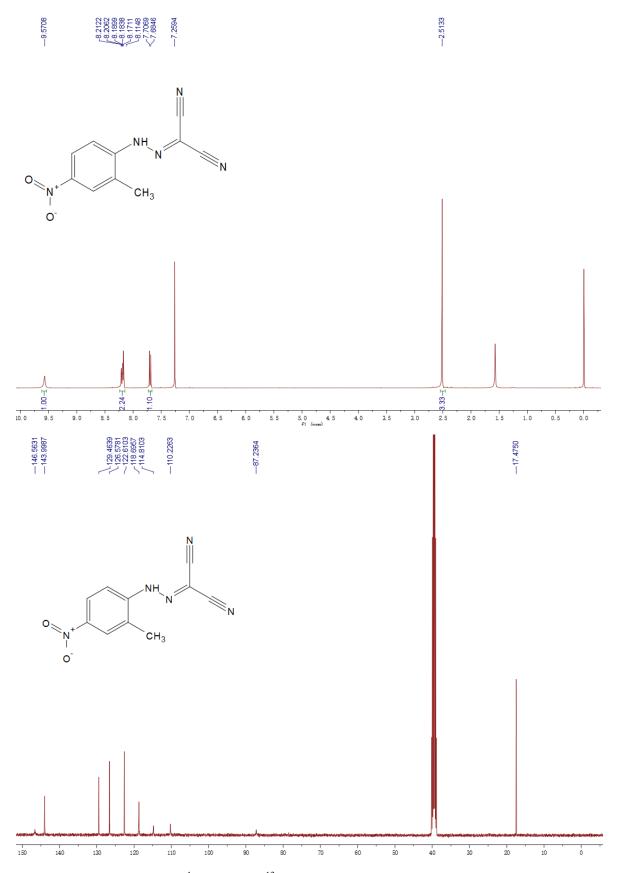


Figure S8. ¹H-NMR and ¹³C-NMR spectra of compound 2h

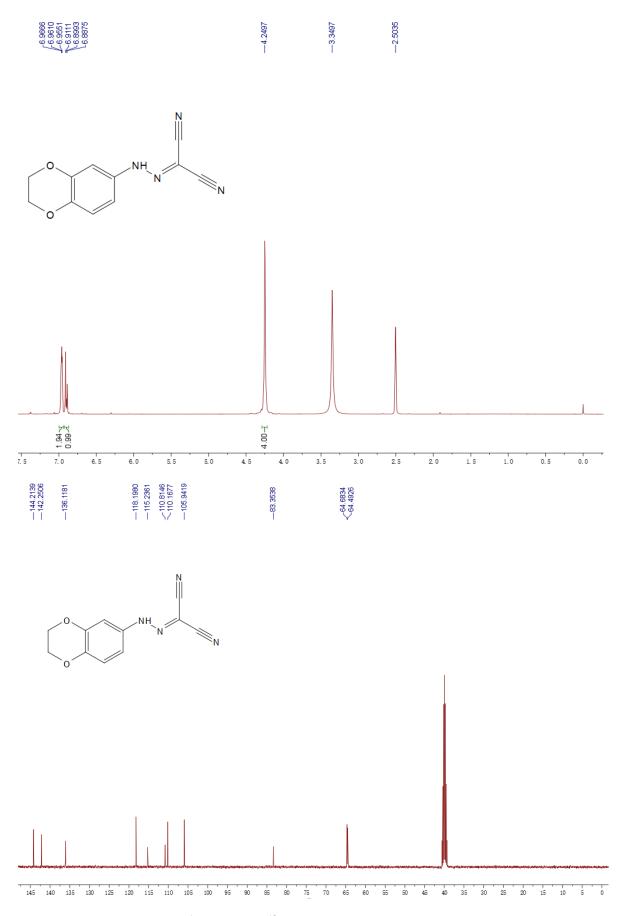
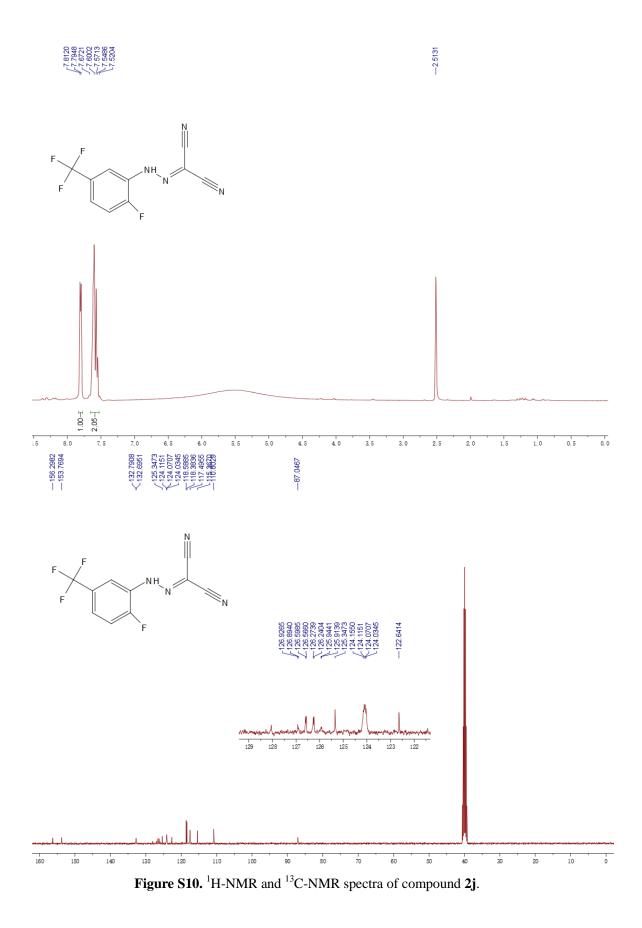


Figure S9. ¹H-NMR and ¹³C-NMR spectra of compound 2i.





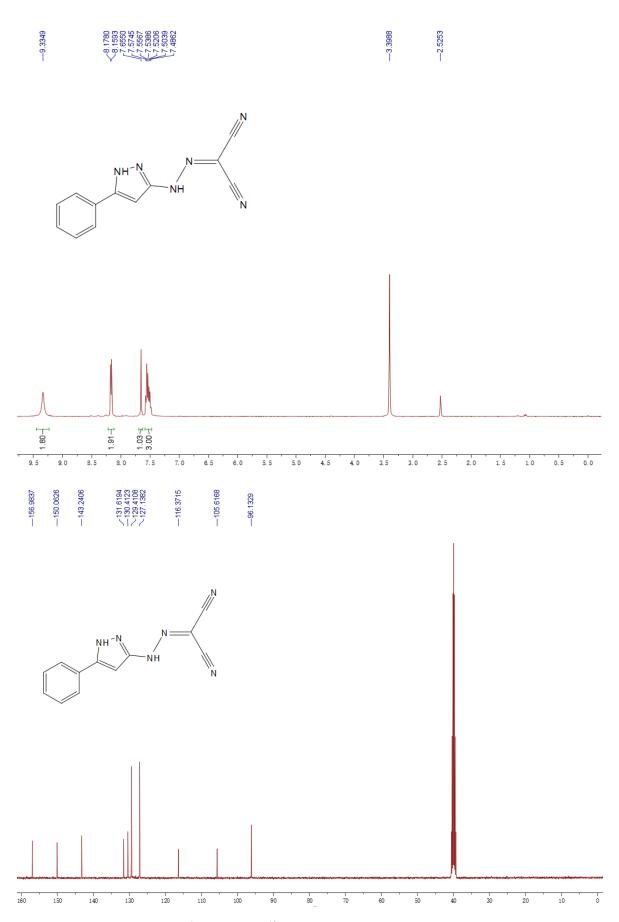


Figure S11. ¹H-NMR and ¹³C-NMR spectra of compound 2k.

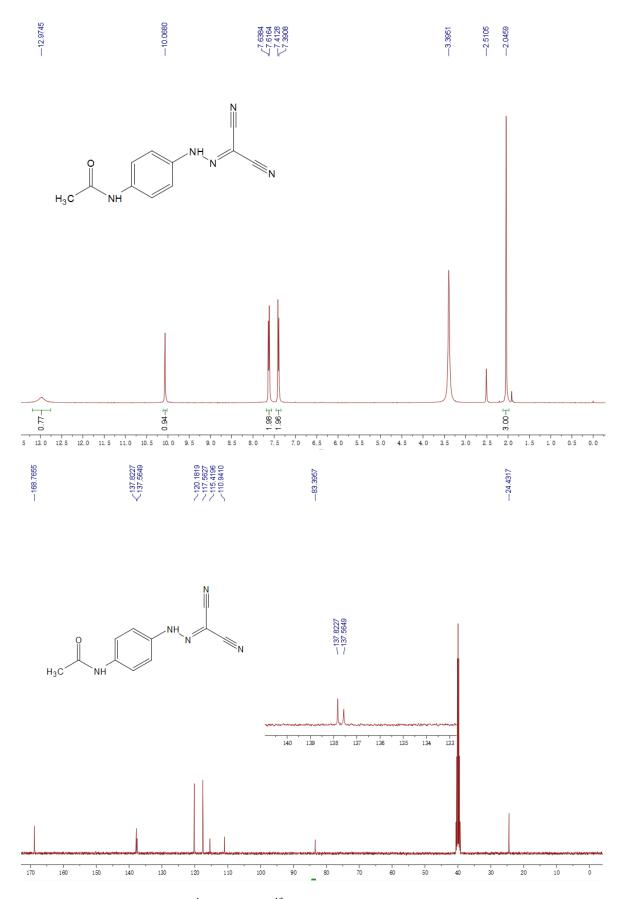
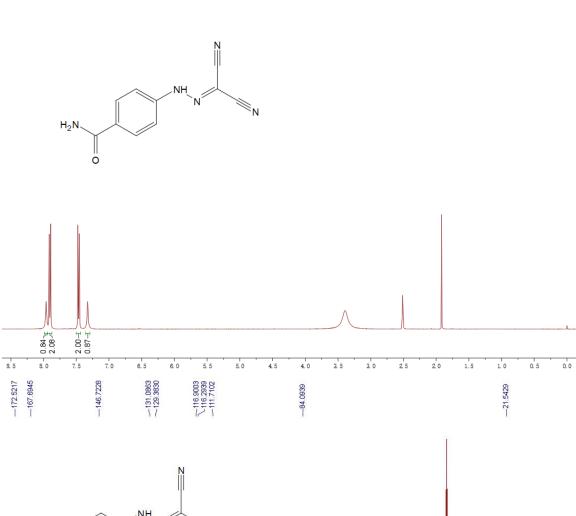


Figure S12. ¹H-NMR and ¹³C-NMR spectra of compound 2l.







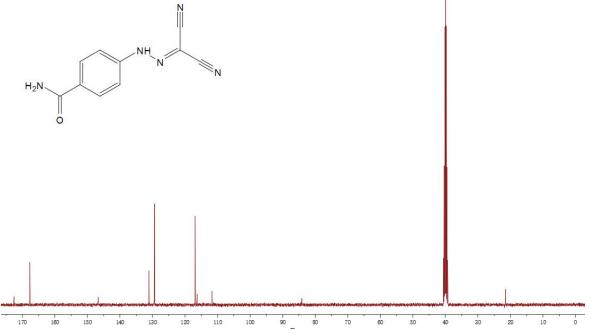


Figure S13. ¹H-NMR and ¹³C-NMR spectra of compound 2m.

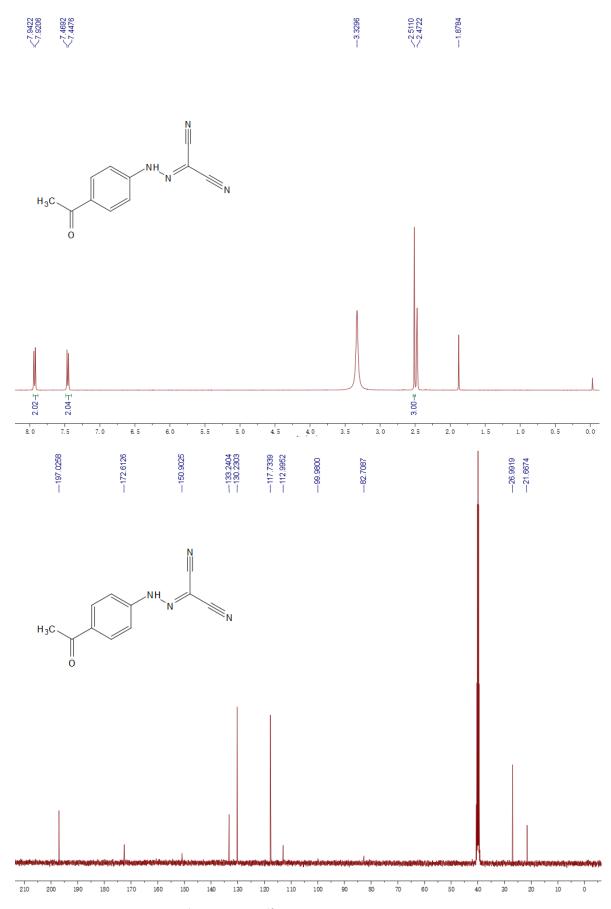


Figure S14. ¹H-NMR and ¹³C-NMR spectra of compound 2n.

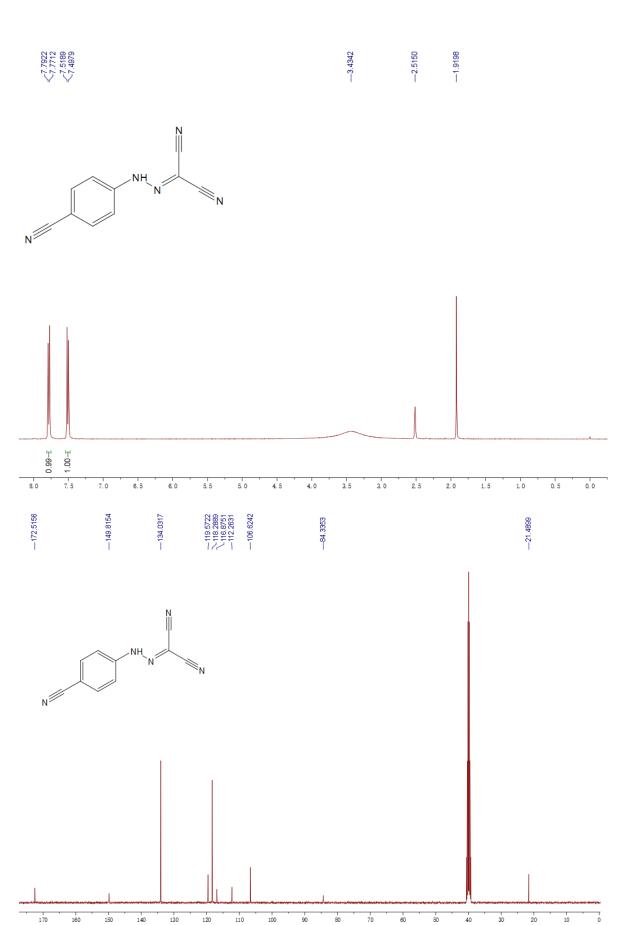


Figure S15. ¹H-NMR and ¹³C-NMR spectra of compound 20.

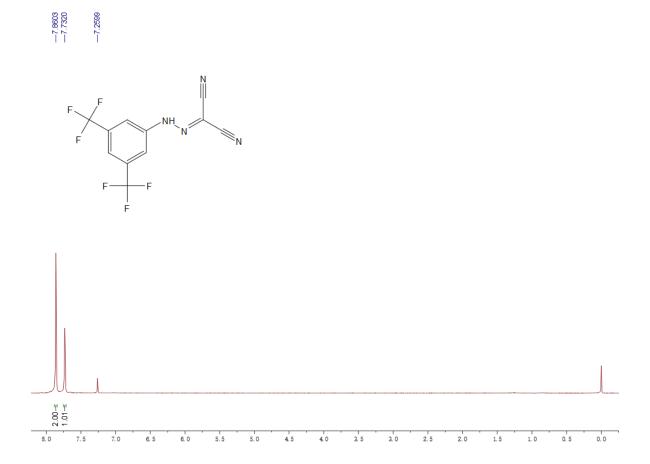


Figure S16. ¹H-NMR spectra of compound 2p.

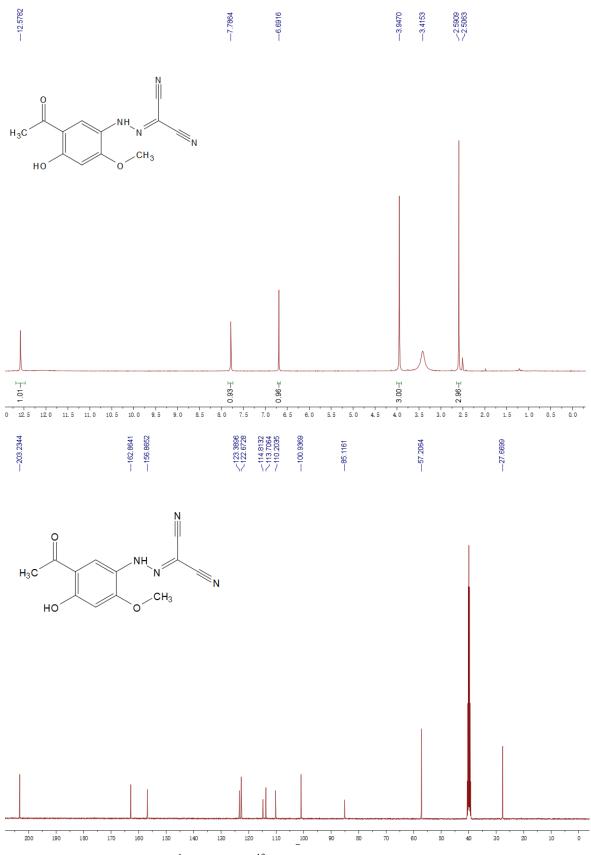


Figure S17. ¹H-NMR and ¹³C-NMR spectra of compound 2q.