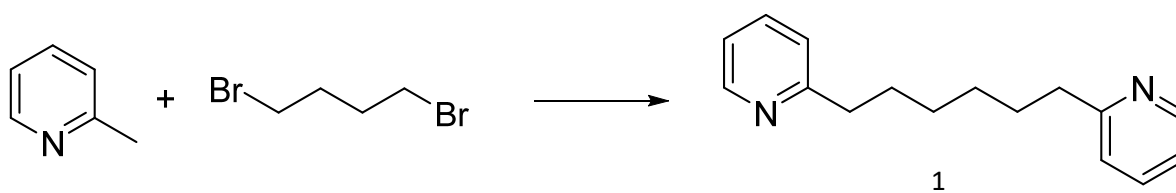
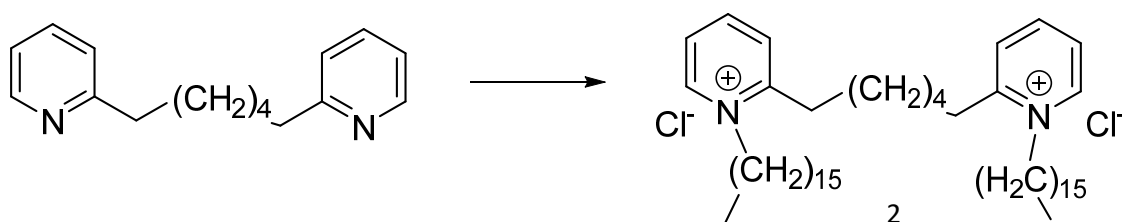


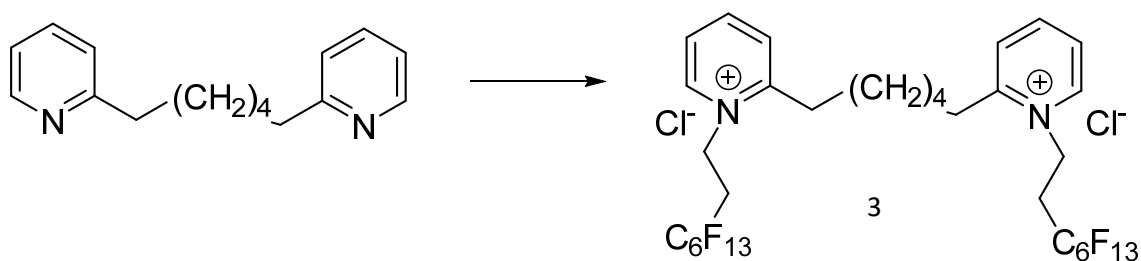
SUPPORTING INFORMATION



Reagents and conditions: Diethyl ether, BuLi, -20 °C



Reagents and conditions: DMF, hexadecyl chloride, 150 °C



Scheme S1. Reagents and conditions: DCM, 1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-8-(methylsulfonyl) octane chloride, 60 °C



Figure S1. ¹H-NMR of 2-[6-(pyridine-2-yl)hexyl]pyridine.

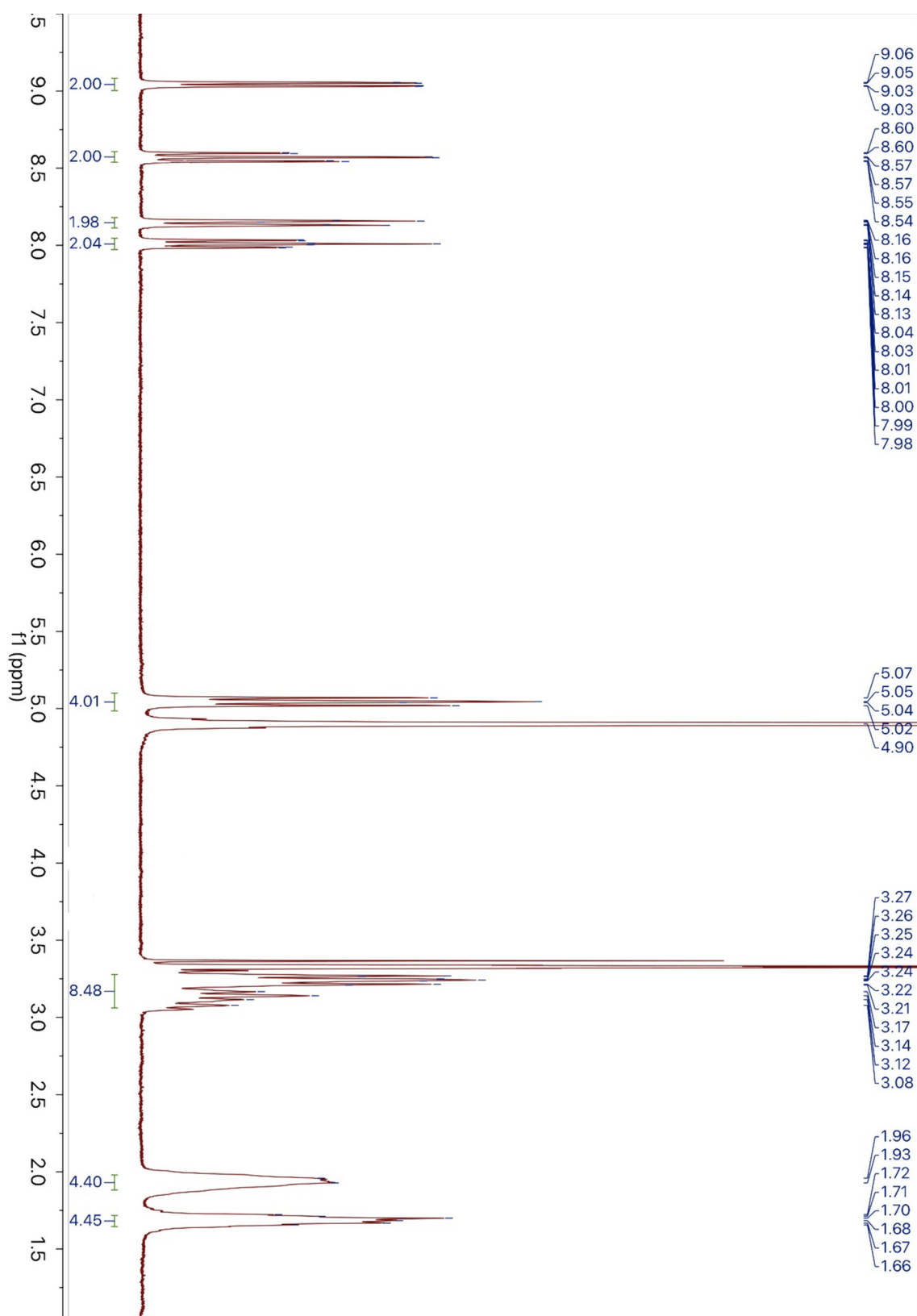


Figure S2. ^1H -NMR of 1,1'-bis(3,3,4,4,5,5,6,6,7,7,8,8-tridecafluorooctyl)-2,2'-esamethylenebispyridinium chloride (FGP6).

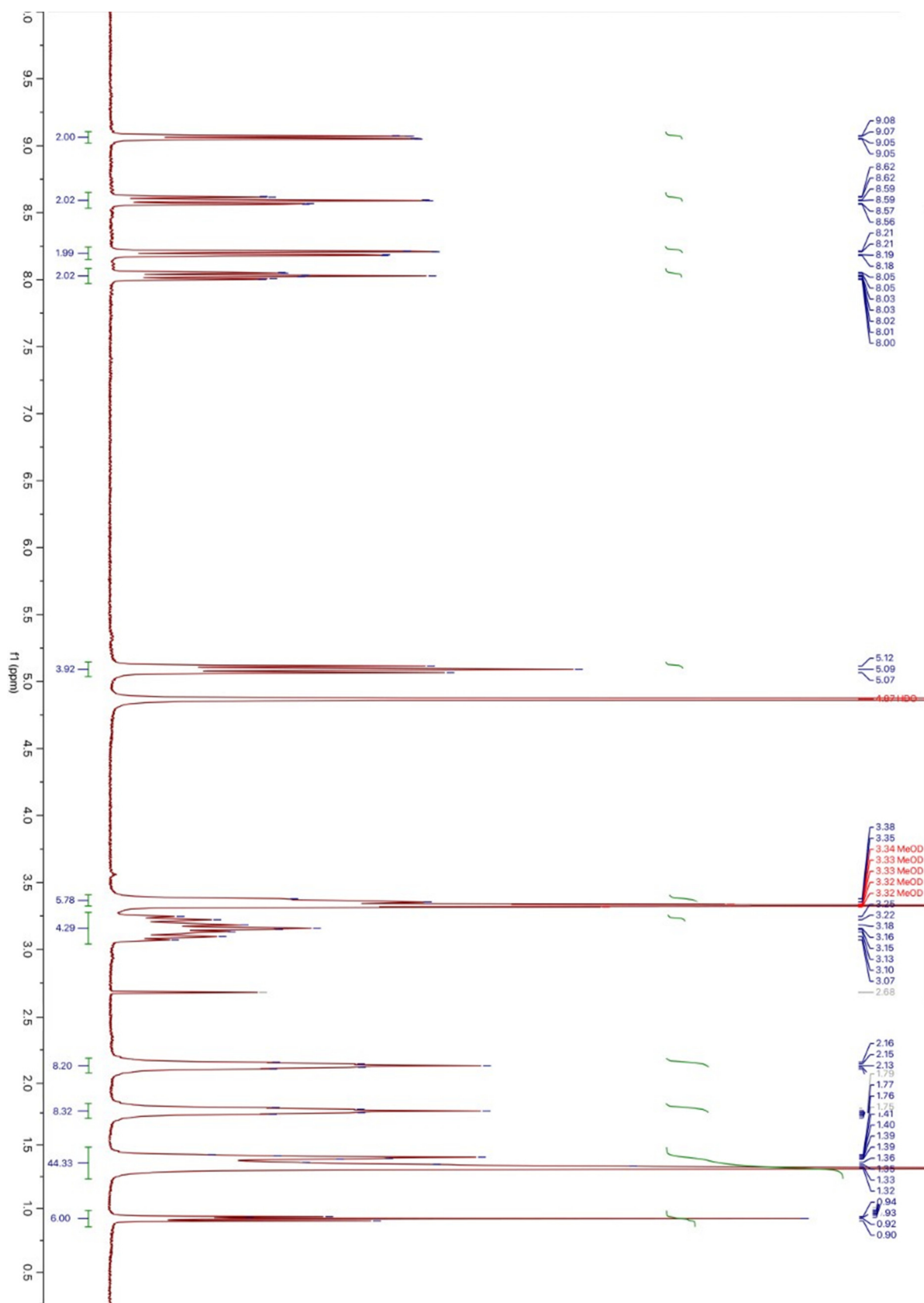


Figure S3. ^1H -NMR of 1,1'-bis-hexadecyl-2,2'-hexamethylenebispyridinium chloride (GP16₆).

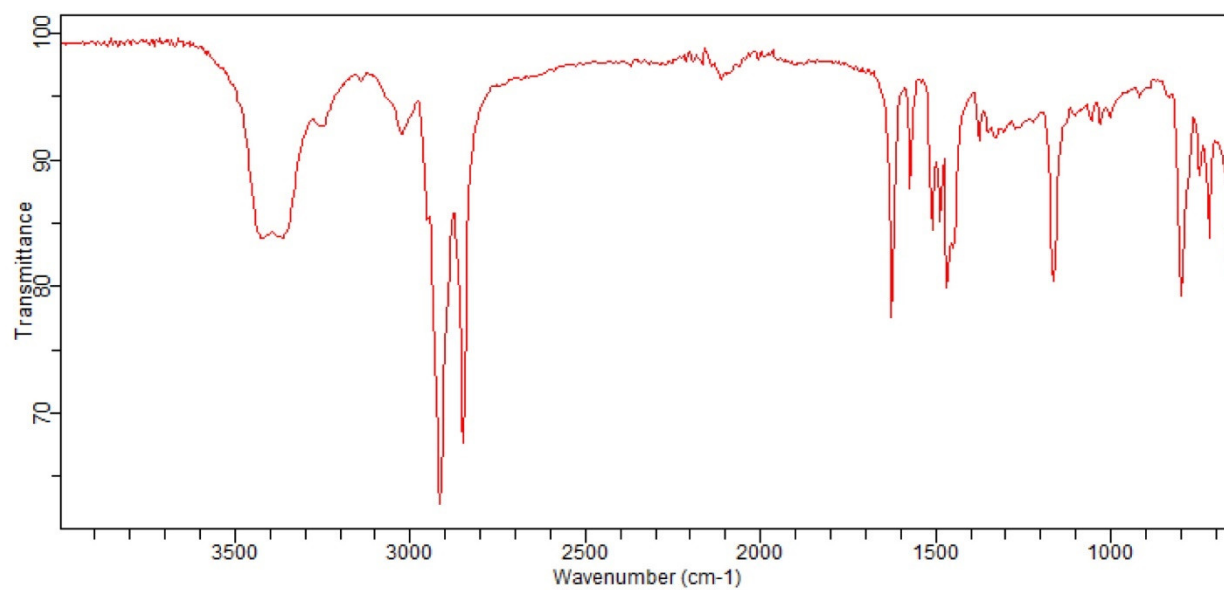


Figure S4. IR spectrum of 1,1'-bis-hexadecyl-2,2'-hexamethylenebispyridinium chloride (GP16_6).

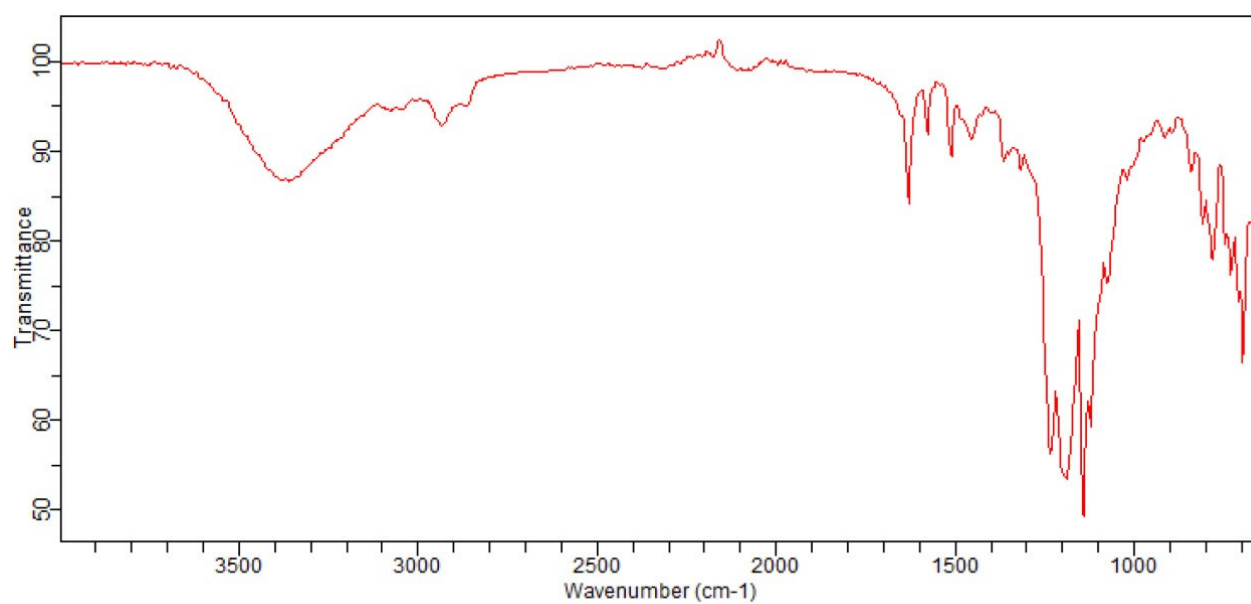


Figure S5. IR spectrum of 1,1'-bis(3,3,4,4,5,5,6,6,7,7,8,8-tridecafluorooctyl)-2,2'-esamethylenebispyridinium chloride (FGP6).

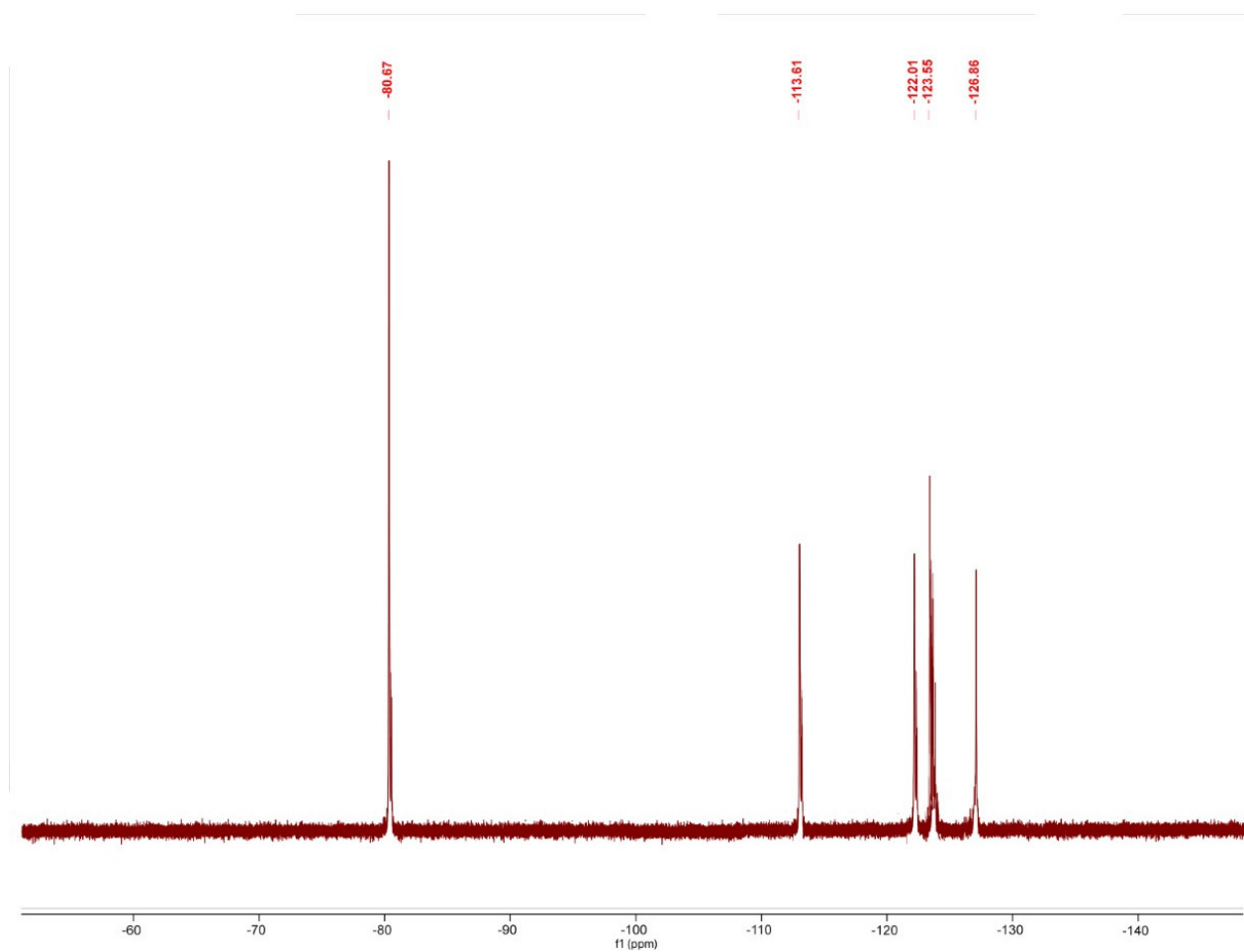


Figure S6. ^{19}F -NMR of 1,1'-bis(3,3,4,4,5,5,6,6,7,7,8,8-tridecafluorooctyl)-2,2'-esamethylenebispyridinium chloride (FGP6).

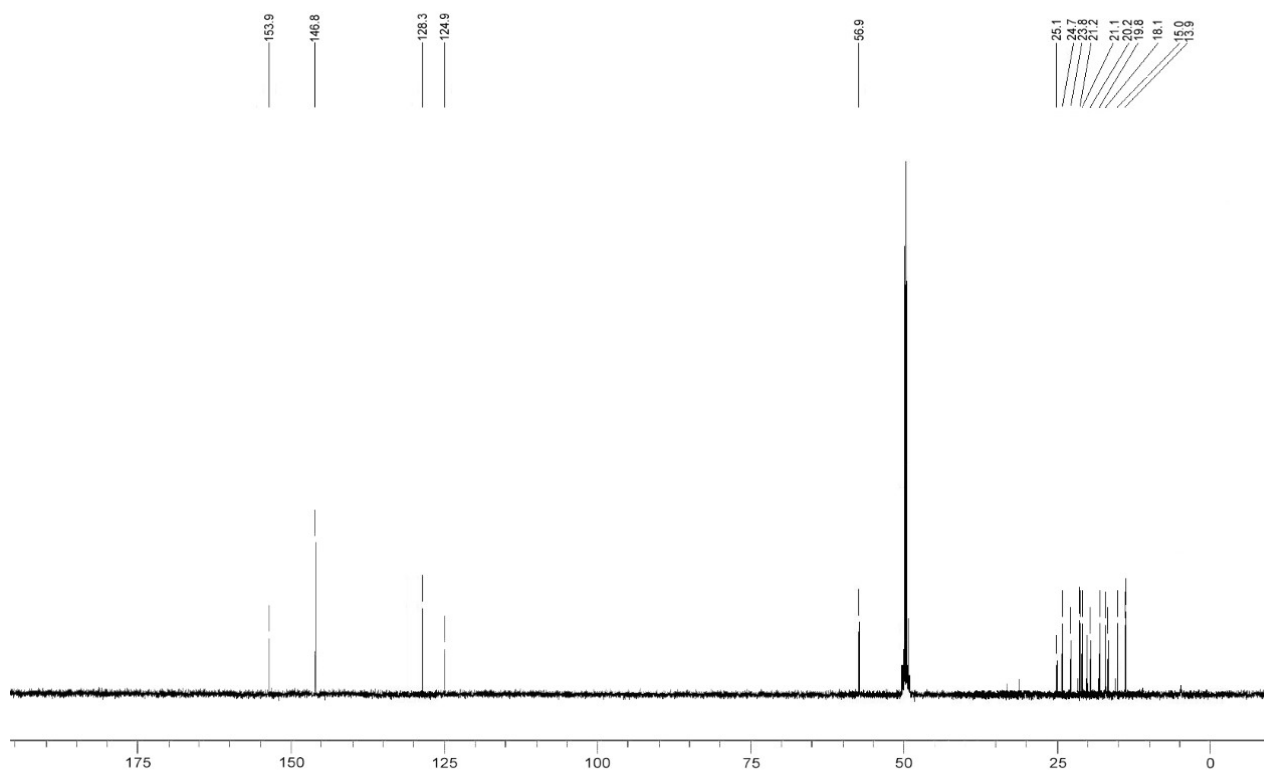


Figure S7. ¹³C-NMR of 1,1'-bis-hexadecyl-2,2'-hexamethylenebispyridinium chloride (GP16_6).

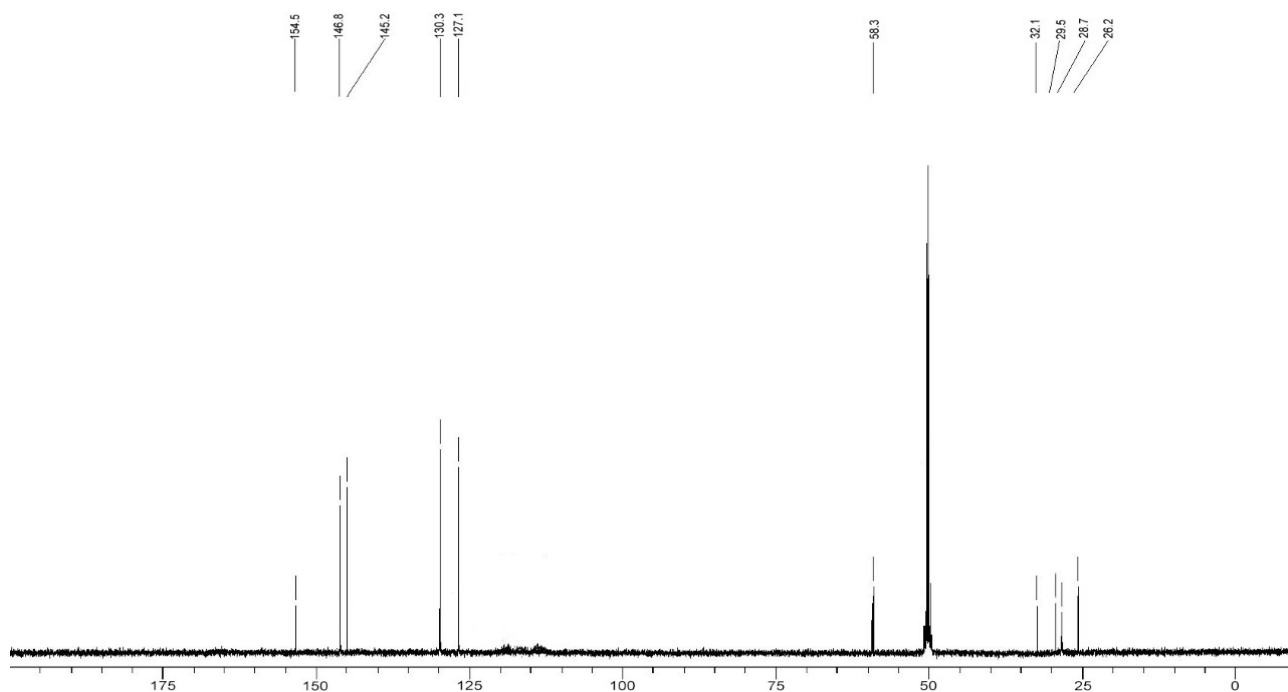


Figure S8. ¹³C-NMR of 1,1'-bis(3,3,4,4,5,5,6,6,7,7,8,8-tridecafluorooctyl)-2,2'-esamethylenebispyridinium chloride (FGP6).

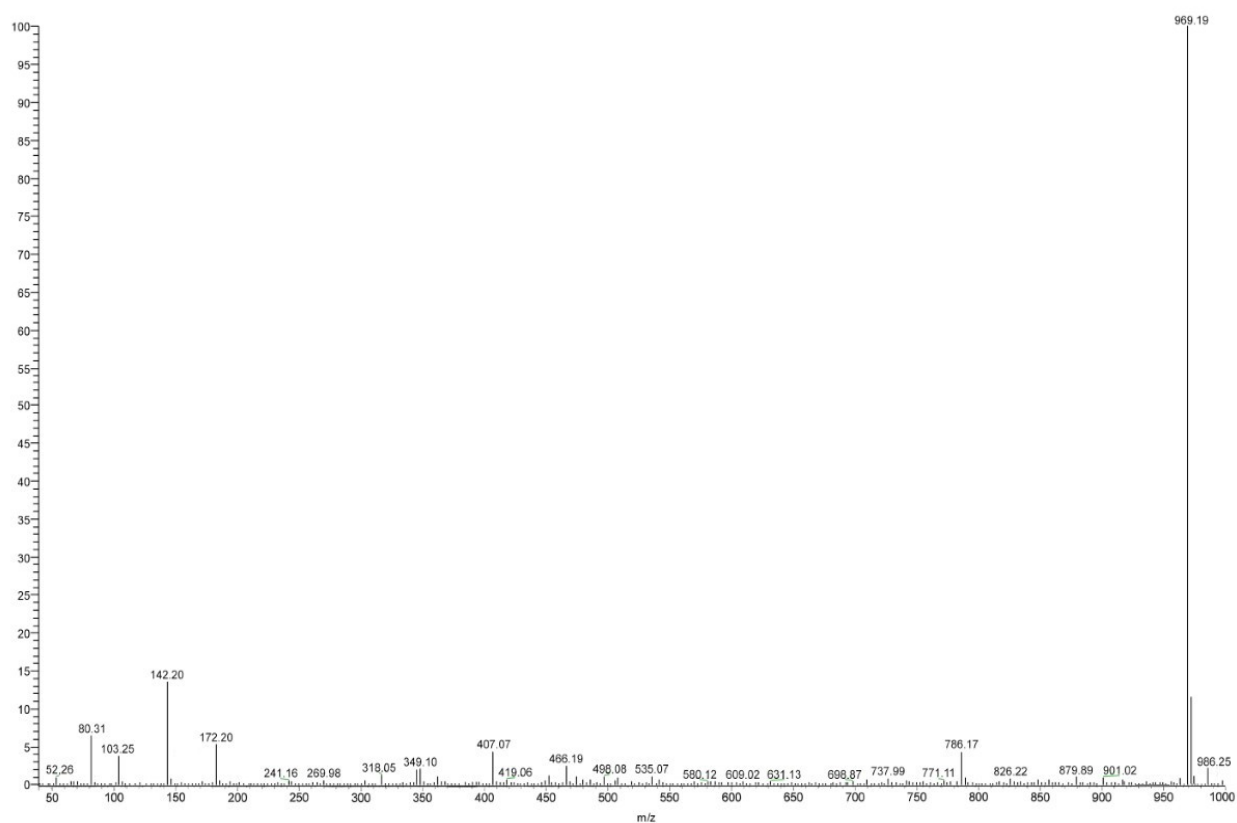


Figure S9. Mass spectrum of 1,1'-bis(3,3,4,4,5,5,6,6,7,7,8,8-tridecafluorooctyl)-2,2'-esamethylenebispyridinium chloride (FGP6).

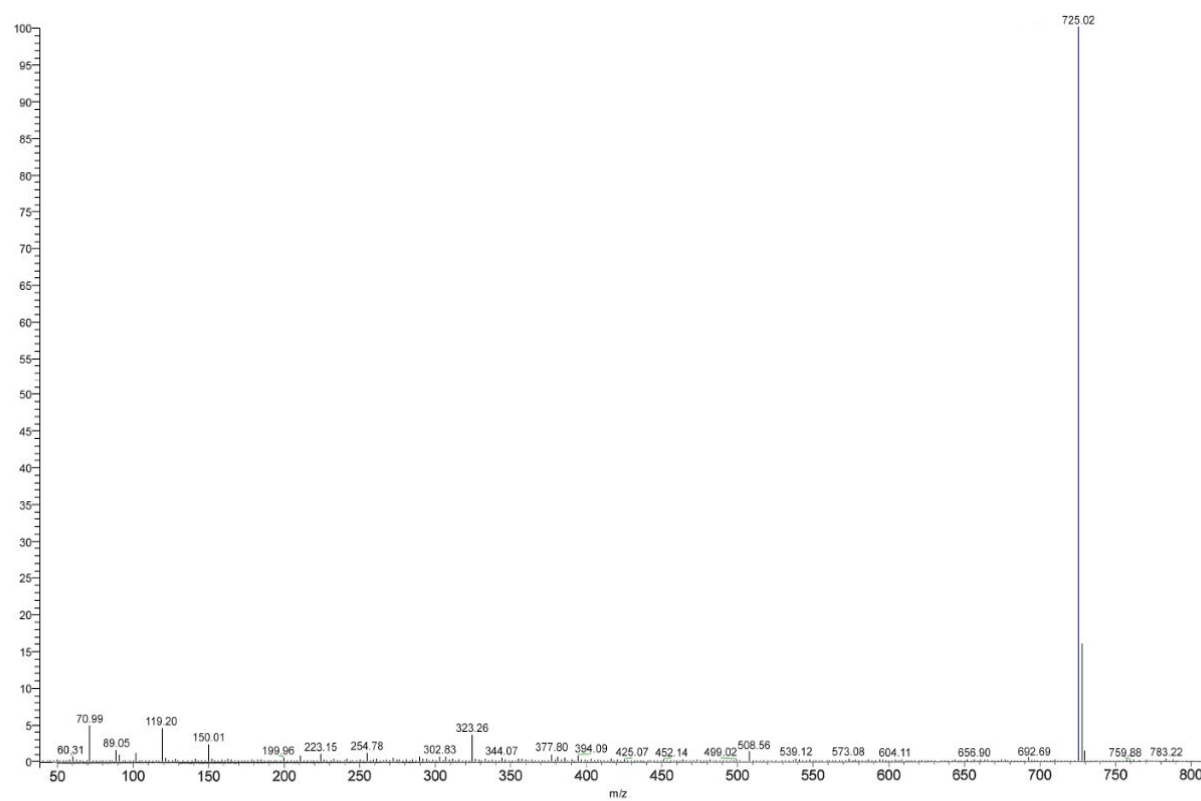


Figure S10. Mass spectrum of 1,1'-bis-hexadecyl-2,2'-hexamethylenebispyridinium chloride (GP16_6).

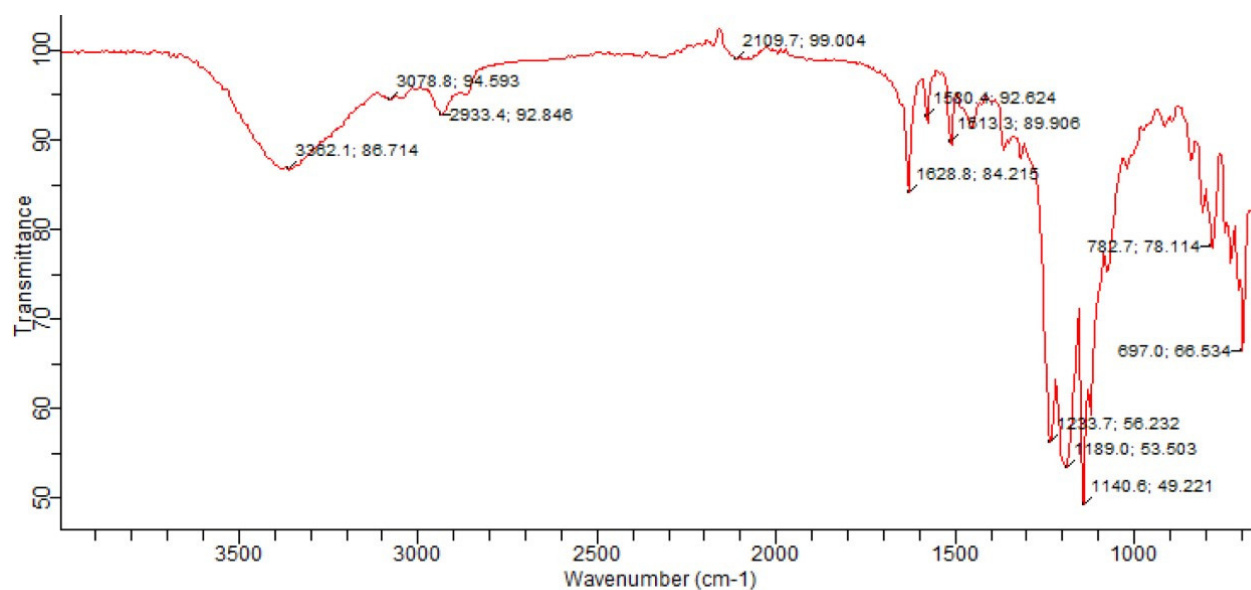


Figure S11. IR spectrum of 1,1'-bis(3,3,4,4,5,5,6,6,7,7,8,8-tridecafluorooctyl)-2,2'-esamethylenebispyridinium chloride (FGP6).

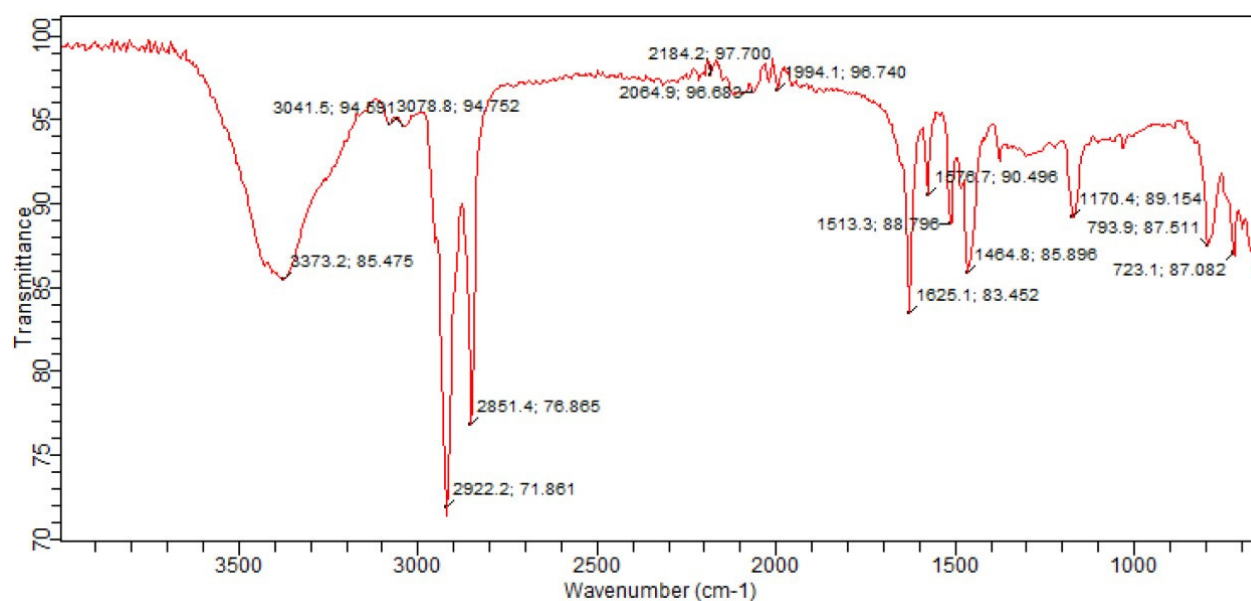


Figure S12. IR spectrum of 1,1'-bis-hexadecyl-2,2'-hexamethylenebispyridinium chloride (GP16_6).