

Strategic design and synthesis of star-shaped organic linkers for mesoporous MOFs

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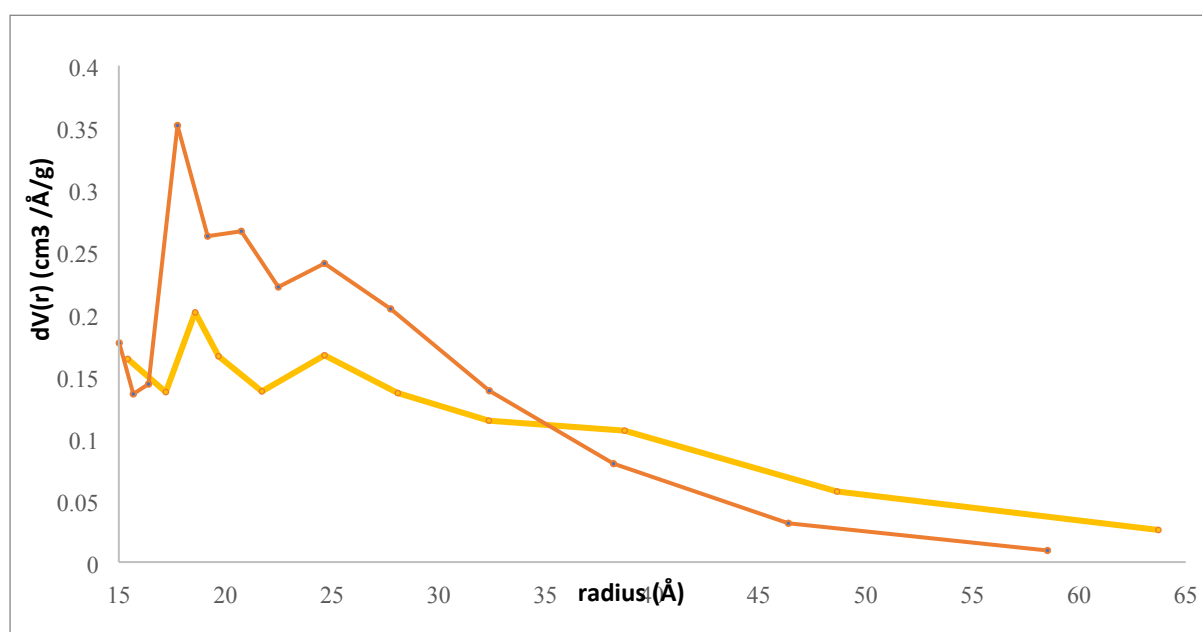


Figure 1. Pore size distribution **La-16-1**. Yellow shows adsorption, Orange shows desorption.

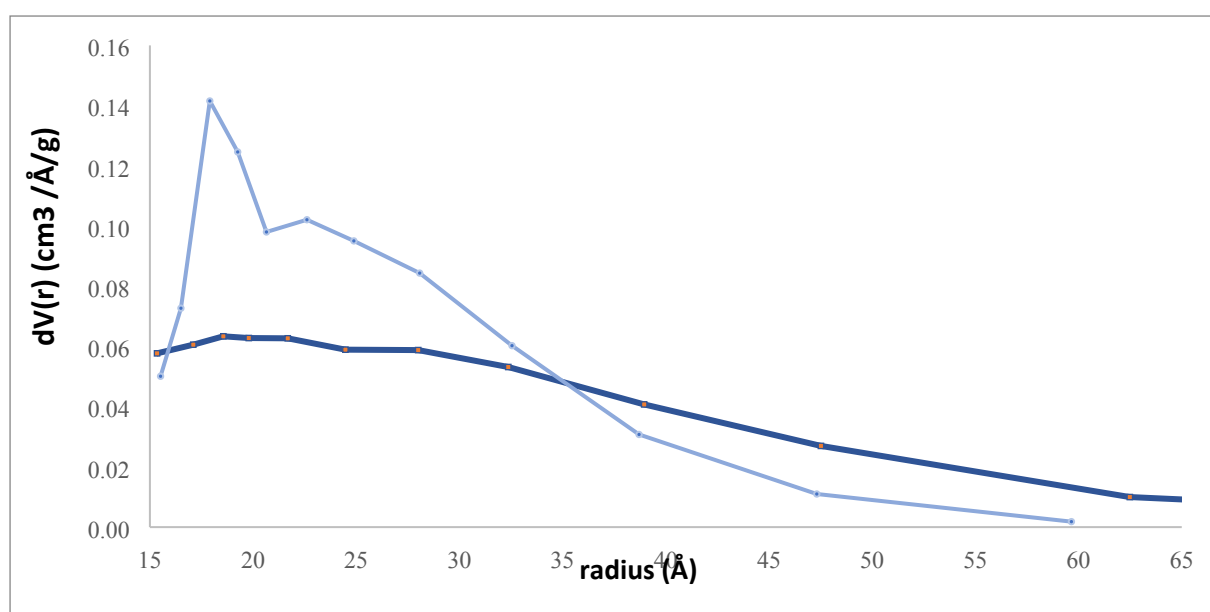


Figure 2. Pore size distribution for **La-16-2**. Dark blue indicates adsorption, Light blue indicates desorption.

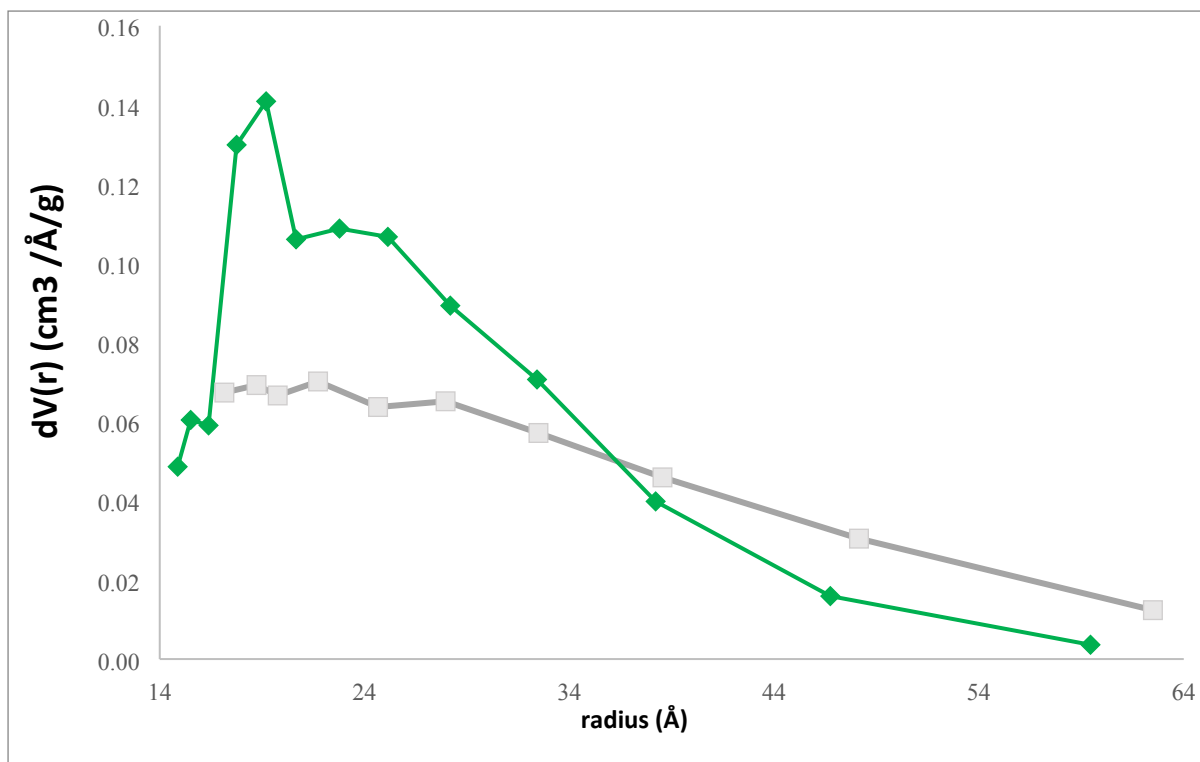
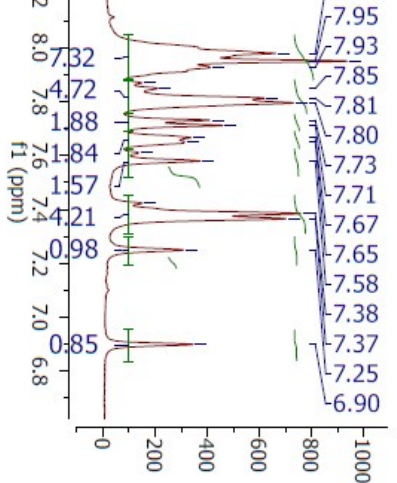


Figure 3. Pore size distribution for **La-16-3**. Grey indicates adsorption, green indicates desorption



¹H NMR (400 MHz, DMSO) δ 10.51 (s, 1H), 9.85 (s, 1H), 7.95 (t, *J* = 10.4 Hz, 8H), 7.83 (dd, *J* = 22.2, 7.7 Hz, 5H), 7.72 (d, *J* = 7.8 Hz, 2H), 7.66 (d, *J* = 5.6 Hz, 2H), 7.59 (d, *J* = 12.1 Hz, 2H), 7.39 (t, *J* = 11.4 Hz, 5H), 7.25 (s, 1H), 6.90 (s, 1H), 3.79 (s, 2H), 2.89 (s, 4H), 2.75 (s, 4H), 2.35 (s, 7H).

