**Table S2. NMR spectroscopic data for angl#1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Position | angl#1 δ 13C [ppm] | angl#1 δ 1H [ppm] | angl#21 δ 1H [ppm] | angl#1 1H-1H-coupling  constants [Hz] | angl#1 HMBC correlations |
| 1 | 95.2 | 5.70 | 5.77 | J1,2’’ = 7.8 | C-2, C-3, C-4,  C-5, C-1’-COO |
| 2 | 73.8 | 3.50 | 3.67 |  | C-1, C-3 |
| 3 | 77.8 | 3.47 | 4.11  (JH,P = 8Hz) |  | C-2, C-4 |
| 4 | 70.8 | 3.40 | 3.59 |  | C-5 |
| 5 | 78.5 | 3.44 |  |  | C-1, C-4 |
| 6a | 62.1 | 3.86 |  | J6a,6b = 12.1,  J5,6a = 5.2 | C-4, C-5 |
| 6b |  | 3.70 |  | J5,6b = 2.1 | C-4, C-5 |
| 1’-COO | 167.8 |  |  |  |  |
| 1′ | 109.8 |  |  |  |  |
| 2′ | 153.1 |  |  |  |  |
| 3′ | 117.5 | 6.75 |  | J3,4 = 8.5, J3,5 = 1.1 | C-1’, C-5’,  C-1’-COO |
| 4′ | 135.5 | 7.26 |  | J4,5 = 7.1, J4,6 = 1.7 | C-2’, C-6’ |
| 5′ | 116.1 | 6.57 |  | J5,6 = 8.2 | C-1’, C-3’ |
| 6′ | 132.1 | 7.89 |  |  | C-2’, C-4’,  C-1’-COO |

1Characteristic 1H NMR signals of angl#2. 1H (600 MHz), 13C (151 MHz), and HMBC NMR spectroscopic data for angl #1 in methanol-*d*4. Chemical shifts were referenced to (CD2HOD) = 3.31 ppm and (CD2HOD) = 49.05 ppm.