

## TORSION ANGLES FOR K256

|     |     |     |     |        |
|-----|-----|-----|-----|--------|
| N2  | RU2 | RU1 | N1  | 8.9    |
| N2  | RU2 | RU1 | N3  | -173.8 |
| N2  | RU2 | RU1 | N5  | 99.3   |
| N2  | RU2 | RU1 | N6  | -78.0  |
| N2  | RU2 | RU1 | C45 | -86.1  |
| N2  | RU2 | RU1 | C46 | 100.9  |
| N4  | RU2 | RU1 | N1  | -179.1 |
| N4  | RU2 | RU1 | N3  | -1.8   |
| N4  | RU2 | RU1 | N5  | -88.8  |
| N4  | RU2 | RU1 | N6  | 94.0   |
| N4  | RU2 | RU1 | C45 | 85.9   |
| N4  | RU2 | RU1 | C46 | -87.1  |
| N7  | RU2 | RU1 | N1  | 93.1   |
| N7  | RU2 | RU1 | N3  | -89.6  |
| N7  | RU2 | RU1 | N5  | -176.5 |
| N7  | RU2 | RU1 | N6  | 6.2    |
| N7  | RU2 | RU1 | C45 | -1.9   |
| N7  | RU2 | RU1 | C46 | -174.9 |
| N8  | RU2 | RU1 | N1  | -83.3  |
| N8  | RU2 | RU1 | N3  | 94.0   |
| N8  | RU2 | RU1 | N5  | 7.1    |
| N8  | RU2 | RU1 | N6  | -170.1 |
| N8  | RU2 | RU1 | C45 | -178.3 |
| N8  | RU2 | RU1 | C46 | 8.8    |
| C45 | RU2 | RU1 | N1  | 95.0   |
| C45 | RU2 | RU1 | N3  | -87.7  |
| C45 | RU2 | RU1 | N5  | -174.6 |
| C45 | RU2 | RU1 | N6  | 8.1    |
| C45 | RU2 | RU1 | C45 | 0.0    |
| C45 | RU2 | RU1 | C46 | -173.0 |
| C46 | RU2 | RU1 | N1  | -92.0  |
| C46 | RU2 | RU1 | N3  | 85.3   |
| C46 | RU2 | RU1 | N5  | -1.7   |
| C46 | RU2 | RU1 | N6  | -178.9 |
| C46 | RU2 | RU1 | C45 | 173.0  |
| C46 | RU2 | RU1 | C46 | 0.0    |
| RU2 | RU1 | N1  | C1  | 174.9  |
| RU2 | RU1 | N1  | C5  | -12.3  |
| N3  | RU1 | N1  | C1  | 149.2  |
| N3  | RU1 | N1  | C5  | -38.1  |
| N5  | RU1 | N1  | C1  | 27.0   |
| N5  | RU1 | N1  | C5  | -160.2 |
| N6  | RU1 | N1  | C1  | -35.3  |
| N6  | RU1 | N1  | C5  | 137.5  |
| C45 | RU1 | N1  | C1  | -129.2 |
| C45 | RU1 | N1  | C5  | 43.6   |
| C46 | RU1 | N1  | C1  | 121.0  |
| C46 | RU1 | N1  | C5  | -66.3  |
| RU1 | RU2 | N2  | C5  | -8.8   |
| RU1 | RU2 | N2  | C6  | 152.6  |
| N4  | RU2 | N2  | C5  | -56.4  |
| N4  | RU2 | N2  | C6  | 105.1  |
| N7  | RU2 | N2  | C5  | -156.2 |
| N7  | RU2 | N2  | C6  | 5.2    |
| N8  | RU2 | N2  | C5  | 140.3  |

|     |     |     |     |        |     |     |     |     |        |
|-----|-----|-----|-----|--------|-----|-----|-----|-----|--------|
| C45 | RU2 | N2  | C5  | -60.7  | C38 | N1  | RU2 | N4  | 98.9   |
| C45 | RU2 | N2  | C6  | 100.7  | C38 | N7  | RU2 | N8  | 3.0    |
| C46 | RU2 | N2  | C5  | 43.5   | C38 | N7  | RU2 | C45 | -176.4 |
| C46 | RU2 | N2  | C6  | -155.0 | C38 | N7  | RU2 | C46 | 16.7   |
| C12 | N3  | RU1 | RU2 | -175.9 | RU1 | RU2 | N8  | C38 | 174.8  |
| C12 | N3  | RU1 | N1  | -150.1 | RU1 | RU2 | N8  | C39 | 0.1    |
| C12 | N3  | RU1 | N5  | -28.0  | N2  | RU2 | N8  | C38 | 84.9   |
| C12 | N3  | RU1 | N6  | 34.3   | N2  | RU2 | N8  | C39 | -89.8  |
| C12 | N3  | RU1 | C45 | 127.9  | N4  | RU2 | N8  | C38 | -92.0  |
| C12 | N3  | RU1 | C46 | -121.8 | N4  | RU2 | N8  | C39 | 93.4   |
| C16 | N3  | RU1 | RU2 | 1.9    | N7  | RU2 | N8  | C38 | -3.0   |
| C16 | N3  | RU1 | N1  | 27.7   | N7  | RU2 | N8  | C39 | -177.7 |
| C16 | N3  | RU1 | N5  | 149.9  | C45 | RU2 | N8  | C38 | -1.5   |
| C16 | N3  | RU1 | N6  | -147.9 | C45 | RU2 | N8  | C39 | -176.1 |
| C16 | N3  | RU1 | C45 | -54.3  | C46 | RU2 | N8  | C38 | -178.2 |
| C16 | N3  | RU1 | C46 | 56.0   | C46 | RU2 | N8  | C39 | 7.2    |
| C16 | N4  | RU2 | RU1 | 2.5    | RU1 | N1  | C1  | C2  | 172.8  |
| C16 | N4  | RU2 | N2  | 50.1   | C5  | N1  | C1  | C2  | -0.2   |
| C16 | N4  | RU2 | N7  | 149.8  | N1  | C1  | C2  | C3  | 0.7    |
| C16 | N4  | RU2 | N8  | -146.6 | C1  | C2  | C3  | C4  | -0.7   |
| C16 | N4  | RU2 | C45 | 54.4   | C5  | C4  | C3  | C2  | 0.3    |
| C16 | N4  | RU2 | C46 | -50.8  | RU1 | N1  | C5  | N2  | 9.4    |
| C17 | N4  | RU2 | RU1 | -175.4 | RU1 | N1  | C5  | C4  | -173.3 |
| C17 | N4  | RU2 | N2  | -127.9 | C1  | N1  | C5  | N2  | -177.6 |
| C17 | N4  | RU2 | N7  | -28.2  | C1  | N1  | C5  | C4  | -0.3   |
| C17 | N4  | RU2 | N8  | 35.4   | RU2 | N2  | C5  | N1  | 2.0    |
| C17 | N4  | RU2 | C45 | -123.5 | RU2 | N2  | C5  | C4  | -175.3 |
| C17 | N4  | RU2 | C46 | 131.2  | C6  | N2  | C5  | N1  | -160.4 |
| RU2 | RU1 | N5  | C23 | 3.0    | C6  | N2  | C5  | C4  | 22.3   |
| RU2 | RU1 | N5  | C27 | 178.4  | N1  | C5  | C4  | C3  | 0.2    |
| N1  | RU1 | N5  | C23 | 91.9   | N2  | C5  | C4  | C3  | 177.5  |
| N1  | RU1 | N5  | C27 | -92.7  | C7  | C6  | N2  | RU2 | 81.3   |
| N3  | RU1 | N5  | C23 | -82.9  | C7  | C6  | N2  | C5  | -115.5 |
| N3  | RU1 | N5  | C27 | 92.6   | C11 | C6  | N2  | RU2 | -94.6  |
| N6  | RU1 | N5  | C23 | -178.5 | C11 | C6  | N2  | C5  | 68.6   |
| N6  | RU1 | N5  | C27 | -3.1   | N2  | C6  | C7  | C8  | -173.3 |
| C45 | RU1 | N5  | C23 | -166.1 | C11 | C6  | C7  | C8  | 2.7    |
| C45 | RU1 | N5  | C27 | 9.3    | C9  | C8  | C7  | C6  | -0.8   |
| C46 | RU1 | N5  | C23 | 1.7    | C10 | C9  | C8  | C7  | -0.4   |
| C46 | RU1 | N5  | C27 | 177.1  | C11 | C10 | C9  | C8  | -0.5   |
| C27 | N6  | RU1 | RU2 | -178.5 | C10 | C11 | C6  | N2  | 172.4  |
| C27 | N6  | RU1 | N1  | 95.6   | C10 | C11 | C6  | C7  | -3.7   |
| C27 | N6  | RU1 | N3  | -84.8  | C9  | C10 | C11 | C6  | 2.7    |
| C27 | N6  | RU1 | N5  | 3.2    | C13 | C12 | N3  | RU1 | -177.7 |
| C27 | N6  | RU1 | C45 | -171.7 | C13 | C12 | N3  | C16 | 4.4    |
| C27 | N6  | RU1 | C46 | 3.7    | C14 | C13 | C12 | N3  | -0.9   |
| C28 | N6  | RU1 | RU2 | -14.7  | C15 | C14 | C13 | C12 | -3.6   |
| C28 | N6  | RU1 | N1  | -100.6 | C13 | C14 | C15 | C16 | 4.5    |
| C28 | N6  | RU1 | N3  | 78.9   | N4  | C16 | N3  | RU1 | -0.6   |
| C28 | N6  | RU1 | N5  | 167.0  | N4  | C16 | N3  | C12 | 177.3  |
| C28 | N6  | RU1 | C45 | -7.9   | C15 | C16 | N3  | RU1 | 178.7  |
| C28 | N6  | RU1 | C46 | 167.5  | C15 | C16 | N3  | C12 | -3.4   |
| C34 | N7  | RU2 | RU1 | -7.5   | N3  | C16 | N4  | RU2 | -1.8   |
| C34 | N7  | RU2 | N2  | 75.6   | N3  | C16 | N4  | C17 | 176.1  |
| C34 | N7  | RU2 | N4  | -93.7  | C15 | C16 | N4  | RU2 | 178.9  |
| C34 | N7  | RU2 | N8  | 170.5  | C15 | C16 | N4  | C17 | -3.2   |
| C34 | N7  | RU2 | C45 | -9.0   | C14 | C15 | C16 | N3  | -1.1   |
| C34 | N7  | RU2 | C46 | -175.8 | C14 | C15 | C16 | N4  | 178.3  |
| C38 | N7  | RU2 | RU1 | -174.9 | C18 | C17 | N4  | RU2 | -91.4  |

|     |     |     |     |        |     |     |     |     |        |
|-----|-----|-----|-----|--------|-----|-----|-----|-----|--------|
| C22 | C17 | N4  | RU2 | 92.4   | C44 | C45 | C42 | C41 | 5.1    |
| C22 | C17 | N4  | C16 | -92.4  | N8  | C39 | C44 | C43 | -175.7 |
| N4  | C17 | C18 | C19 | 179.2  | C40 | C39 | C44 | C43 | 3.4    |
| C22 | C17 | C18 | C19 | 2.0    | C39 | C44 | C43 | C42 | -4.4   |
| C20 | C19 | C18 | C17 | -4.8   | RU2 | C45 | RU1 | RU2 | 0.0    |
| C21 | C20 | C19 | C18 | 6.1    | RU2 | C45 | RU1 | N1  | -84.9  |
| C22 | C21 | C20 | C19 | -4.8   | RU2 | C45 | RU1 | N3  | 88.9   |
| C21 | C22 | C17 | N4  | -177.7 | RU2 | C45 | RU1 | N5  | 173.1  |
| C21 | C22 | C17 | C18 | -0.5   | RU2 | C45 | RU1 | N6  | -175.9 |
| C20 | C21 | C22 | C17 | 1.8    | RU2 | C45 | RU1 | C46 | 6.0    |
| RU1 | N5  | C23 | C24 | 175.6  | N9  | C45 | RU1 | RU2 | -162.5 |
| C27 | N5  | C23 | C24 | 0.9    | N9  | C45 | RU1 | N1  | 112.6  |
| N5  | C23 | C24 | C25 | 0.5    | N9  | C45 | RU1 | N3  | -73.5  |
| C26 | C25 | C24 | C23 | 2.2    | N9  | C45 | RU1 | N5  | 10.6   |
| C27 | C26 | C25 | C24 | -6.2   | N9  | C45 | RU1 | N6  | 21.6   |
| N6  | C27 | N5  | RU1 | 4.4    | N9  | C45 | RU1 | C46 | -156.4 |
| N6  | C27 | N5  | C23 | -178.8 | RU1 | C45 | RU2 | RU1 | 0.0    |
| C26 | C27 | N5  | RU1 | 178.0  | RU1 | C45 | RU2 | N2  | 89.4   |
| C26 | C27 | N5  | C23 | -5.2   | RU1 | C45 | RU2 | N4  | -89.8  |
| RU1 | N6  | C27 | N5  | -4.4   | RU1 | C45 | RU2 | N7  | 179.0  |
| RU1 | N6  | C27 | C26 | -176.7 | RU1 | C45 | RU2 | N8  | 177.5  |
| C28 | N6  | C27 | N5  | -170.8 | RU1 | C45 | RU2 | C46 | -5.8   |
| C28 | N6  | C27 | C26 | 16.9   | N9  | C45 | RU2 | RU1 | 167.7  |
| N5  | C27 | C26 | C25 | 7.7    | N9  | C45 | RU2 | N2  | -103.0 |
| N6  | C27 | C26 | C25 | 178.9  | N9  | C45 | RU2 | N4  | 77.9   |
| C29 | C28 | N6  | RU1 | -116.6 | N9  | C45 | RU2 | N7  | -13.4  |
| C29 | C28 | N6  | C27 | 43.8   | N9  | C45 | RU2 | N8  | -14.8  |
| C33 | C28 | N6  | RU1 | 60.1   | N9  | C45 | RU2 | C46 | 161.8  |
| C33 | C28 | N6  | C27 | -139.6 | RU2 | RU1 | C46 | RU2 | 0.0    |
| C30 | C29 | C28 | N6  | 175.5  | RU2 | RU1 | C46 | N10 | 178.0  |
| C30 | C29 | C28 | C33 | -1.3   | N1  | RU1 | C46 | RU2 | 86.6   |
| C31 | C30 | C29 | C28 | 1.1    | N1  | RU1 | C46 | N10 | -95.4  |
| C32 | C31 | C30 | C29 | -2.0   | N3  | RU1 | C46 | RU2 | -90.5  |
| C30 | C31 | C32 | C33 | 3.3    | N3  | RU1 | C46 | N10 | 87.5   |
| C32 | C33 | C28 | N6  | -174.7 | N5  | RU1 | C46 | RU2 | 179.1  |
| C32 | C33 | C28 | C29 | 2.3    | N5  | RU1 | C46 | N10 | -2.9   |
| C31 | C32 | C33 | C28 | -3.5   | N6  | RU1 | C46 | RU2 | 178.6  |
| C35 | C34 | N7  | RU2 | -166.9 | N6  | RU1 | C46 | N10 | -3.3   |
| C35 | C34 | N7  | C38 | -1.7   | C45 | RU1 | C46 | RU2 | -6.2   |
| C36 | C35 | C34 | N7  | 1.1    | C45 | RU1 | C46 | N10 | 171.8  |
| C34 | C35 | C36 | C37 | -1.0   | RU1 | RU2 | C46 | RU1 | 0.0    |
| C35 | C36 | C37 | C38 | 1.3    | RU1 | RU2 | C46 | N10 | -177.8 |
| RU2 | N7  | C38 | N8  | -4.2   | N2  | RU2 | C46 | RU1 | -80.3  |
| RU2 | N7  | C38 | C37 | 173.1  | N2  | RU2 | C46 | N10 | 101.8  |
| C34 | N7  | C38 | N8  | -175.3 | N4  | RU2 | C46 | RU1 | 88.9   |
| C34 | N7  | C38 | C37 | 2.1    | N4  | RU2 | C46 | N10 | -88.9  |
| N7  | C38 | N8  | RU2 | 4.3    | N7  | RU2 | C46 | RU1 | 172.2  |
| N7  | C38 | N8  | C39 | 179.9  | N7  | RU2 | C46 | N10 | -5.7   |
| C37 | C38 | N8  | RU2 | -172.5 | N8  | RU2 | C46 | RU1 | -175.5 |
| C37 | C38 | N8  | C39 | 3.1    | N8  | RU2 | C46 | N10 | 6.7    |
| C36 | C37 | C38 | N7  | -1.9   | C45 | RU2 | C46 | RU1 | 5.7    |
| C36 | C37 | C38 | N8  | 174.6  | C45 | RU2 | C46 | N10 | -172.1 |
| RU2 | N8  | C39 | C40 | -138.4 |     |     |     |     |        |
| RU2 | N8  | C39 | C44 | 40.6   |     |     |     |     |        |
| C38 | N8  | C39 | C40 | 48.1   |     |     |     |     |        |
| C38 | N8  | C39 | C44 | -132.8 |     |     |     |     |        |
| N8  | C39 | C40 | C41 | 177.4  |     |     |     |     |        |
| C44 | C39 | C40 | C41 | -1.7   |     |     |     |     |        |
| C39 | C40 | C41 | C42 | 1.0    |     |     |     |     |        |

