Table S4 The concentration of BIC, M7, and M8 after oral administration with BIC or BIC-NPs , or intravenous injection with BIC-NPs.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Group** | **Tiem(h)** | **BIC-1** | **BIC-2** | **BIC-3** | **BIC-4** | **BIC-5** | **M7-1** | **M7-2** | **M7-3** | **M7-4** | **M7-5** | **M8-1** | **M8-2** | **M8-3** | **M8-4** | **M8-5** |
| **ig- BIC** | 0.083 | 56.13 | 87.01 | 140.20 | 143.69 | 58.07 | 204.91 | 204.73 | 271.53 | 238.30 | 218.46 | 32.12 | 24.67 | 29.09 | 22.67 | 36.96 |
| 0.25 | 80.39 | 60.61 | 167.43 | 181.17 | 79.74 | 366.69 | 340.77 | 409.33 | 424.38 | 374.95 | 26.63 | 18.69 | 38.97 | 25.40 | 29.35 |
| 0.5 | 37.53 | 55.72 | 87.68 | 151.28 | 42.39 | 433.97 | 458.14 | 418.62 | 674.47 | 489.03 | 16.18 | 20.00 | 27.58 | 37.84 | 20.30 |
| 0.75 | 46.25 | 46.93 | 70.90 | 110.91 | 45.39 | 510.17 | 501.49 | 444.33 | 700.30 | 516.17 | 16.59 | 14.44 | 25.63 | 23.29 | 18.16 |
| 1 | 43.49 | 30.39 | 85.59 | 93.32 | 42.81 | 422.09 | 394.51 | 509.61 | 638.14 | 429.17 | 17.04 | 18.93 | 23.91 | 21.18 | 18.59 |
| 2 | 56.48 | 22.54 | 87.60 | 69.48 | 56.88 | 351.39 | 308.69 | 433.82 | 441.25 | 388.64 | 29.57 | 15.35 | 24.82 | 45.56 | 33.10 |
| 3 | 41.29 | 21.68 | 57.68 | 67.50 | 40.52 | 314.84 | 268.95 | 306.86 | 424.29 | 339.03 | 32.79 | 21.02 | 31.22 | 31.96 | 35.77 |
| 6 | 9.09 | 6.58 | 11.87 | 26.28 | 8.67 | 181.45 | 169.41 | 175.60 | 305.14 | 178.02 | 17.85 | 20.47 | 26.36 | 25.50 | 18.84 |
| 9 | 8.33 | 8.35 | 10.66 | 20.15 | 3.18 | 306.94 | 261.77 | 238.96 | 433.12 | 313.68 | 4.15 | 11.60 | 17.03 | 21.46 | 8.07 |
| 12 | 4.33 | ND | 8.22 | 3.92 | ND | 281.32 | 239.94 | 237.79 | 439.82 | 298.58 | 2.01 | 2.60 | 21.71 | 5.07 | 3.73 |
| 24 | ND | ND | ND | 3.71 | ND | 20.45 | 28.91 | 10.74 | 20.99 | 20.99 | ND | ND | ND | ND | ND |
| **ig- BIC- NPs** | 0.083 | 183.39 | 233.20 | 132.95 | 81.84 | 177.11 | 320.58 | 406.66 | 374.71 | 239.80 | 319.21 | 27.46 | 36.00 | 43.10 | 14.92 | 29.47 |
| 0.25 | 140.05 | 215.74 | 256.08 | 106.60 | 136.69 | 701.69 | 709.06 | 616.33 | 421.13 | 556.61 | 59.14 | 62.29 | 110.81 | 20.55 | 64.27 |
| 0.5 | 246.90 | 226.20 | 270.63 | 200.91 | 261.37 | 1006.45 | 806.83 | 908.73 | 787.34 | 898.99 | 62.49 | 58.01 | 63.34 | 23.56 | 73.69 |
| 0.75 | 286.73 | 218.89 | 342.81 | 218.38 | 279.49 | 1116.18 | 856.42 | 977.25 | 959.46 | 969.46 | 97.12 | 53.65 | 57.98 | 42.88 | 106.67 |
| 1 | 233.86 | 256.50 | 193.30 | 251.68 | 242.57 | 1014.91 | 932.76 | 1179.36 | 896.19 | 1020.37 | 112.05 | 81.65 | 119.56 | 32.08 | 119.65 |
| 2 | 189.37 | 184.30 | 168.53 | 174.29 | 210.03 | 1038.62 | 831.77 | 828.20 | 710.34 | 1026.48 | 156.35 | 96.45 | 75.02 | 57.69 | 163.48 |
| 3 | 171.71 | 136.18 | 123.32 | 88.59 | 158.24 | 974.63 | 689.40 | 653.07 | 641.80 | 990.79 | 135.34 | 92.62 | 47.83 | 72.62 | 164.52 |
| 6 | 110.51 | 99.63 | 60.19 | 47.93 | 69.66 | 583.34 | 478.63 | 323.53 | 390.22 | 591.36 | 115.19 | 55.58 | 59.24 | 41.06 | 126.19 |
| 9 | 87.71 | 61.96 | 7.49 | 29.45 | 35.39 | 766.45 | 654.25 | 437.86 | 539.73 | 741.51 | 45.34 | 39.51 | 46.68 | 66.26 | 52.36 |
| 12 | 4.19 | 9.97 | ND | 7.19 | 4.58 | 846.66 | 671.84 | 535.38 | 491.98 | 852.17 | 21.68 | 19.54 | 13.38 | 25.47 | 6.08 |
| 24 | ND | ND | ND | ND | ND | 52.31 | 23.58 | 73.45 | 49.55 | 39.55 | ND | ND | ND | ND | ND |
| **iv- BIC- NPs** | 0.083 | 1006.18 | 1132.33 | 747.09 | 1047.25 | 974.71 | 199.29 | 164.37 | 171.13 | 285.48 | 198.97 | 7.16 | 21.04 | ND | 7.88 | 8.08 |
| 0.25 | 567.24 | 700.61 | 598.60 | 514.67 | 551.70 | 186.34 | 191.66 | 228.51 | 260.78 | 186.77 | 28.28 | 19.68 | 15.68 | 18.40 | 30.24 |
| 0.5 | 163.24 | 188.87 | 366.00 | 219.22 | 266.41 | 139.27 | 148.38 | 129.34 | 190.90 | 146.26 | 37.68 | 44.28 | 11.44 | 62.96 | 40.28 |
| 0.75 | 47.87 | 85.74 | 246.15 | 41.08 | 47.09 | 80.95 | 122.29 | 161.19 | 132.16 | 81.94 | 10.04 | 9.88 | 7.08 | 36.72 | 11.00 |
| 1 | 19.93 | 42.90 | 150.99 | 12.91 | 21.29 | 60.64 | 83.74 | 163.38 | 78.80 | 66.62 | 7.04 | 6.40 | 6.48 | 15.68 | 7.32 |
| 2 | 9.28 | 6.79 | 79.61 | 5.56 | 8.26 | 26.41 | 45.14 | 48.81 | 47.80 | 26.67 | 5.96 | 12.52 | 8.24 | 31.36 | 6.80 |
| 3 | 7.23 | 5.61 | 33.82 | 4.31 | 4.12 | 21.23 | 32.09 | 40.29 | 28.72 | 21.65 | 1.37 | 1.26 | 1.80 | 2.99 | 1.42 |
| 6 | ND | ND | 7.78 | ND | ND | 16.83 | 22.52 | 28.53 | 22.50 | 17.81 | 1.62 | 1.70 | 1.51 | 2.63 | 1.81 |
| 9 | ND | ND | ND | ND | ND | 15.27 | 29.11 | 28.29 | 16.14 | 15.81 | 1.37 | 1.28 | 1.70 | 1.27 | 1.46 |
| 12 | ND | ND | ND | ND | ND | 5.71 | 4.67 | 6.02 | 5.81 | 4.86 | ND | ND | ND | ND | ND |
| 24 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Note: ND, Not Dtermined.