**Supplementary Table S1.** The residue, EED and RQ of NIC in skin of the three freshwater fish after long-term exposure administration

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Time (d) | Blunt snout bream | | | Yellow catfish | | | Channel catfish | | |
| Residue  (µg/kg) | Estimated  exposure dose  (EED)  µg/(kg bw d) | Risk quotient  (RQ)  (×10-6) | Residue  (µg/kg) | Estimated  exposure dose  (EED)  µg/(kg bw d) | Risk quotient (RQ)  (×10-6) | Residue  (µg/kg) | Estimated  exposure dose  (EED)  µg/(kg bw d) | Risk quotient (RQ)  (×10-6) |
| 1 | 103.03-255.59 | 0.0686-0.1703 | 68.6-170 | 116.28-199.70 | 0.0775-0.1330 | 77.5-133 | 87.95-144.91 | 0.0586-0.0965 | 58.6-96.5 |
| 3 | 41.34-109.48 | 0.0275-0.0729 | 27.5-73 | 38.76-98.19 | 0.0258-0.0654 | 25.8-65 | 29.08-64.82 | 0.0194-0.0432 | 19.4-43.2 |
| 5 | 39.47-55.15 | 0.0263-0.0367 | 26.3-37 | 44.11-73.87 | 0.0294-0.0492 | 29.4-49 | 22.98-31.14 | 0.0153-0.0207 | 15.3-20.7 |
| 7 | 22.85-36.73 | 0.0152-0.0245 | 15.2-24 | 40.69-59.06 | 0.0271-0.0393 | 27.1-39 | 22.09-27.95 | 0.0147-0.0186 | 14.7-18.6 |
| 9 | 31.95-45.57 | 0.0213-0.0304 | 21.3-30 | 38.33-46.87 | 0.0255-0.0312 | 25.5-31 | 18.43-25.19 | 0.0123-0.0168 | 12.3-16.8 |
| 12 | 28.39-44.65 | 0.0189-0.0297 | 18.9-30 | 31.27-42.59 | 0.0208-0.0284 | 20.8-28 | 13.06-23.87 | 0.0087-0.0159 | 8.70-15.9 |
| 15 | 18.28-43.02 | 0.0122-0.0287 | 12.2-29 | 27.80-40.00 | 0.0185-0.0266 | 18.5-27 | 12.92-20.98 | 0.0086-0.0140 | 8.61-14.0 |
| 20 | 30.04-44.64 | 0.0200-0.0297 | 20.0-30 | 21.95-31.69 | 0.0146-0.0211 | 14.6-21 | 11.70-15.12 | 0.0078-0.0101 | 7.79-10.1 |
| 25 | 17.33-39.75 | 0.0115-0.0265 | 11.5-26 | 17.70-35.82 | 0.0118-0.0239 | 11.8-24 | 9.74-17.03 | 0.0065-0.0113 | 6.48-11.3 |
| 28 | 13.55-40.07 | 0.0086-0.0267 | 8.64-27 | 11.81-17.47 | 0.0079-0.0116 | 7.87-12 | 5.79-8.85 | 0.0039-0.0059 | 3.86-5.90 |
| 35 | 4.48-17.68 | 0.0030-0.0118 | 2.98-12 | 12.21-14.43 | 0.0081-0.0096 | 8.13-10 | 2.37-3.49 | 0.0016-0.0023 | 1.58-2.32 |

Note: Fish consumption amount (40.27 g per day); Time refers to after use of niclosamide ethanolanmine; Residue refers to level found in different fish.