**Table S1. Toxicokinetic parameters following oral and intravenous administration in various animal species.**

| Species | Route* | BW(kg) | Dose(mg/kg) | $T_{max}$(h) | $C_{max}$(μg/mL) | $T_{1/2}$Elim(h) | $V_d$(mL/kg) | CL(mL/kg) | Reference |
|---|---|---|---|---|---|---|---|---|---|
| Male Wistar rat | po | 0.25-0.30 | 0.05 | — | 0.39 | 120 | 160 | 0.91 | Hagelberg et al. (1989)[24] |
| Mouse | po | 0.02 | 0.05 | — | 0.37 | 39 | 340 | 6.1 | Hagelberg et al. (1989)[24] |
| Fish | po | 1.00 | 0.05 | — | 0.014 | 0.68 | 57 | 58 | Hagelberg et al. (1989)[24] |
| Quail | po | 0.16 | 0.05 | | 0.26 | 6.7 | 550 | 57 | Hagelberg et al. (1989)[24] |
| Broiler chicken | po | 1.27 | 0.25 | 1.43-4.63 | 0.05-0.08 | 8.2-14.11 | 270 | 710-770 | Devreese et al. (2018)[25] |
| Leghorn chicken | po | 1.84 | 2.0 | 0.33 | 0.78 | 4.15 | 2160 | — | Galtier et al.(1981)[18] |
| Laying hen | po | 2.05 | 0.25 | 0.75-1.88 | 0.05-0.06 | 17.3-21.15 | 230 | 890-1030 | Devreese et al. (2018)[25] |
| Turkey | po | 1.71 | 0.25 | 0.75-0.81 | 0.18-0.20 | 9.85-15.5 | 180 | 330-390 | Devreese et al. (2018)[25] |
| Muscovy duck | po | 2.68 | 0.25 | 0.31 | 0.04-0.05 | 35.14-39.02 | 760 | 430-610 | Devreese et al. (2018)[25] |
| Rabbit | po | 2-3 | 2.0 | 1 | 2.13 | 8.25 | 453 | — | Galtier et al.(1981)[18] |
| Rhesus monkey | po | 5.00 | 0.05 | — | 0.50 | 510 | 130 | 0.18 | Hagelberg et al.(1989)[24] |
| Donkey | po | 123.60 | 2.50 | 12 | 10.34 | 24.52 | 150 | 4.10 | Kang et al. (2023)[22] |
| Growing pig | po | 35 | 0.50 | 10 | 1.74 | 88.80 | 42.9 | — | Galtier et al.(1981)[18] |
| Lactating sow | po | 186.25 | 0.50 | 9 | 0.92 | 78.47 | 160 | 1.40 | This study |
| Mouse | iv | 0.02 | 0.05 | — | 0.37 | 48 | 420 | 6.1 | Hagelberg et al. (1989)[24] |
| Male Wistar rat | iv | 0.25-0.30 | 0.05 | — | 2.1 | 170 | 230 | 0.92 | Hagelberg et al. (1989)[24] |
| Rat | iv | 0.30 | 0.33 | — | 2.00 | 103 | — | 3.11 | Li et al. (1997)[19] |
| Fish | iv | 1.00 | 0.05 | — | 0.20 | 8.3 | 690 | 57 | Hagelberg et al. (1989)[24] |
| Quail | iv | 0.16 | 0.05 | — | 0.59 | 12 | 1500 | 86 | Hagelberg et al. (1989)[24] |
| Broiler chicken | iv | 1.27 | 0.25 | — | 0.91-1.20 | 22.2-23.95 | 270 | 610-740 | Devreese et al. (2018)[25] |
| Leghorn chicken | iv | 1.84 | 2.0 | — | — | 3.00 | — | — | Galtier et al.(1981)[18] |
| Laying hen | iv | 2.05 | 0.25 | — | 1.10-1.44 | 12.15-14.21 | 230 | 820-980 | Devreese et al. (2018)[25] |
| Turkey | iv | 1.71 | 0.25 | — | 1.43-1.48 | 11.28-18.19 | 180 | 290-380 | Devreese et al. (2018)[25] |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Muscovy duck | iv | 2.68 | 0.25 | — | 0.31-0.66 | 16.76-17.04 | 760 | 710-740 | Devreese et al. (2018)[25] |
| Rabbit | iv | 2-3 | 2.0 | — | — | 10.8 | — | — | Galtier et al.(1981)[18] |
| Vervet monkey | iv | 2.40 | 0.8,1.5,2.0 | 2 | 26.50 | 484 | 118 | 0.22 | Stander et al.(2001)[20] |
| Rhesus monkey | iv | 5.00 | 0.05 | — | 0.98 | 840 | 200 | 0.17 | Hagelberg et al.(1989)[24] |
| Growing pig | iv | 35 | 0.50 | — | — | 84.5 | — | — | Galtier et al.(1981)[18] |

*Administration route: po refers to oral administration , iv refers to injection.

**Table S2: Mass spectrometry conditions**

| Mycotoxin | Molecular Formula | RT/min | MRM（m/z） | Declustering Potential(DP) | Collision Energy(CE) |
|---|---|---|---|---|---|
| OTA | $C_{20}H_{18}ClNO_6$ | 8.28 | 404.2/239.2* | 120 | 33 |
| | | | 404.2/358.3 | 150 | 18.7 |
| OTα | $C_{11}H_9ClO_5$ | 6.13 | 255.1/167.0* | -55 | -33 |
| | | | 255.1/211.0 | -36 | -21 |

*Transitions used for quantification.