

Supporting Information File

QUALITATIVE MULTI-RESIDUE SCREENING METHOD FOR 143 VETERINARY DRUGS AND PHARMACEUTICALS IN MILK AND FISH TISSUE USING LIQUID CHROMATOGRAPHY QUADRUPOLE-TIME-OF- FLIGHT MASS SPECTROMETRY

Marilena E. Dasenaki, Anna A. Bletsou, George A. Koulis and Nikolaos S. Thomaidis*

Laboratory of Analytical Chemistry, Department of Chemistry, National and Kapodistrian

University of Athens, Panepistimioupolis Zografou, 157 71 Athens, Greece

***Corresponding author:**

Tel: +30 210 7274317

Fax: +30 210 7274750

E-mail: ntho@chem.uoa.gr

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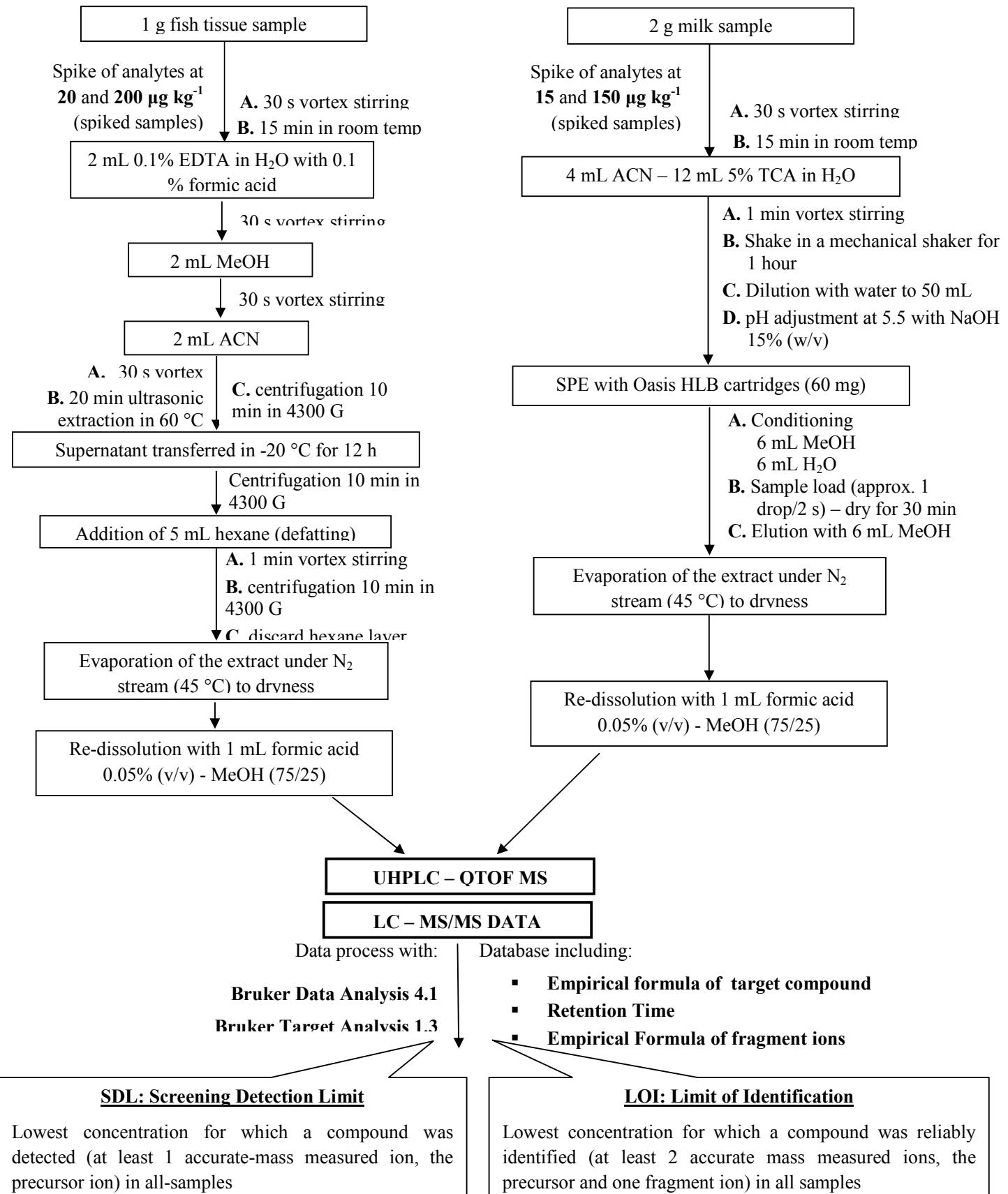


Figure S1: Overall scheme of the screening methodology.

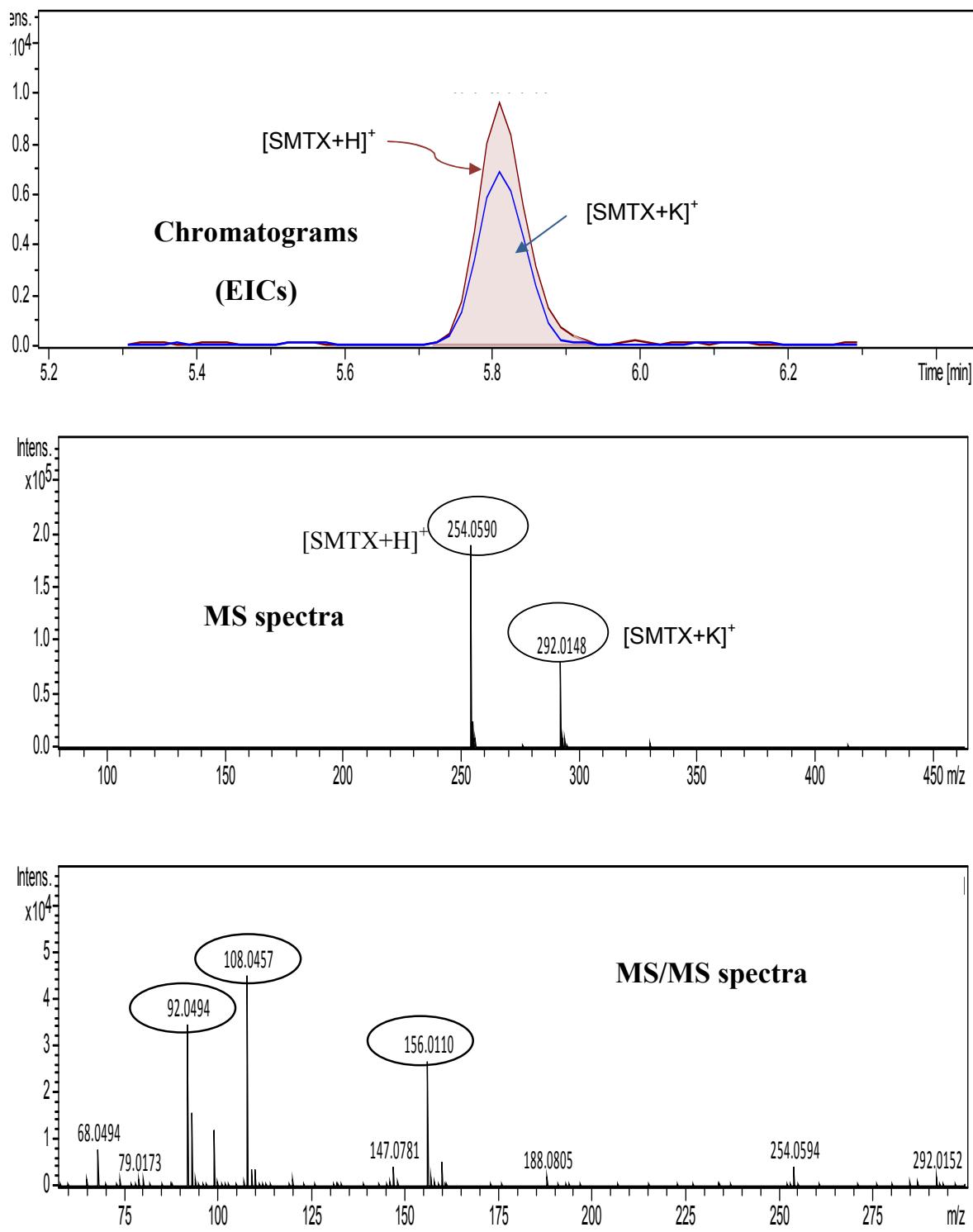


Figure S2: Chromatograms and MS and MS/MS spectra of sulfamethoxazole in a solvent standard solution at a concentration of $0.5 \mu\text{g mL}^{-1}$

Table S1. Retention time, elemental formulas and theoretical exact mass for precursor and fragment ions of veterinary drugs and pharmaceuticals.

| Compounds | Elemental composition | Mr | Precursor ion | m/z (precur) | RT (min) | Fragment ion 1 | m/z (fragm 1) | Fragment ion 2 | m/z (fragm 2) | Fragment ion 3 | m/z (fragm 3) |
|-----------------------|---|----------|--------------------|--------------|----------|---|---------------|--|---------------|--|---------------|
| Quinolones | | | | | | | | | | | |
| Ciprofloxacin | C ₁₇ H ₁₈ FN ₃ O ₃ | 331.1332 | [M+H] ⁺ | 332.1405 | 8.8 | C ₁₇ H ₁₇ FN ₃ O ₂ ⁺ | 314.1299 | C ₁₆ H ₁₉ FN ₃ O ⁺ | 288.1507 | | |
| Danofloxacin | C ₁₉ H ₂₀ FN ₃ O ₃ | 357.1489 | [M+H] ⁺ | 358.1561 | 8.8 | C ₁₉ H ₁₉ FN ₃ O ₂ ⁺ | 340.1456 | | | | |
| Difloxacin | C ₂₁ H ₁₉ F ₂ N ₃ O ₃ | 399.1394 | [M+H] ⁺ | 400.1467 | 9.0 | C ₂₁ H ₁₈ F ₂ N ₃ O ₂ ⁺ | 382.1362 | C ₂₀ H ₂₀ F ₂ N ₃ O ⁺ | 356.1569 | C ₁₇ H ₁₃ F ₂ N ₂ O ⁺ | 299.099 |
| Enrofloxacin | C ₁₉ H ₂₂ FN ₃ O ₃ | 359.1645 | [M+H] ⁺ | 360.1718 | 8.8 | C ₁₈ H ₂₃ FN ₃ O ⁺ | 316.182 | C ₁₉ H ₂₁ FN ₃ O ₂ ⁺ | 342.1612 | C ₁₇ H ₁₉ FN ₃ O ₃ ⁺ | 332.1405 |
| Flumequine | C ₁₄ H ₁₂ FNO ₃ | 261.0801 | [M+H] ⁺ | 262.0874 | 10.6 | C ₁₄ H ₁₁ FNO ₂ ⁺ | 244.0768 | | | | |
| Marbofloxacin | C ₁₇ H ₁₉ FN ₄ O ₄ | 362.1390 | [M+H] ⁺ | 363.1463 | 8.2 | C ₁₅ H ₁₅ FN ₃ O ₄ ⁺ | 320.1041 | C ₁₇ H ₁₈ FN ₄ O ₃ ⁺ | 345.1353 | C ₄ H ₁₀ N ⁺ | 72.0786 |
| Norfloxacin | C ₁₆ H ₁₈ FN ₃ O ₃ | 319.1332 | [M+H] ⁺ | 320.1405 | 8.7 | C ₁₆ H ₁₇ FN ₃ O ₂ ⁺ | 302.1299 | C ₁₅ H ₁₉ FN ₃ O ⁺ | 276.1507 | C ₁₃ H ₁₄ FN ₂ O ⁺ | 233.1085 |
| Ofloxacin | C ₁₈ H ₂₀ FN ₃ O ₄ | 361.1438 | [M+H] ⁺ | 362.1511 | 8.5 | C ₁₇ H ₂₁ FN ₃ O ₂ ⁺ | 318.1612 | C ₁₄ H ₁₄ FN ₂ O ₂ ⁺ | 261.1034 | | |
| Oxolinic acid | C ₁₃ H ₁₁ NO ₅ | 261.0637 | [M+H] ⁺ | 262.0710 | 10.1 | C ₁₃ H ₁₀ NO ₄ ⁺ | 244.0604 | | | | |
| Sarafloxacin | C ₂₀ H ₁₇ F ₂ N ₃ O ₃ | 385.1238 | [M+H] ⁺ | 386.1311 | 9.0 | C ₂₀ H ₁₆ F ₂ N ₃ O ₂ ⁺ | 368.1205 | C ₁₉ H ₁₈ F ₂ N ₃ O ⁺ | 342.1412 | | |
| Tetracyclines | | | | | | | | | | | |
| Chlortetracycline | C ₂₂ H ₂₃ CIN ₂ O ₈ | 478.1143 | [M+H] ⁺ | 479.1216 | 9.8 | C ₂₂ H ₁₉ CINO ₇ ⁺ | 444.0845 | C ₂₂ H ₂₁ CINO ₈ ⁺ | 462.095 | | |
| Doxycycline | C ₂₂ H ₂₄ N ₂ O ₈ | 444.1533 | [M+H] ⁺ | 445.1605 | 10.3 | C ₂₂ H ₂₂ NO ₈ ⁺ | 428.1350 | C ₁₆ H ₂₂ NO ₂ ⁺ | 260.1648 | | |
| Minocycline | C ₂₃ H ₂₇ N ₃ O ₇ | 457.1849 | [M+H] ⁺ | 458.1922 | 9.4 | C ₂₃ H ₂₅ N ₂ O ₇ ⁺ | 441.1662 | C ₂₃ H ₂₃ N ₂ O ₆ ⁺ | 423.1551 | | |
| Oxytetracycline | C ₂₂ H ₂₄ N ₂ O ₉ | 460.1482 | [M+H] ⁺ | 461.1555 | 9.0 | C ₂₂ H ₂₀ NO ₈ ⁺ | 426.1183 | C ₂₂ H ₂₂ NO ₉ ⁺ | 444.1289 | | |
| Tetracycline | C ₂₂ H ₂₄ N ₂ O ₈ | 444.1533 | [M+H] ⁺ | 445.1605 | 9.0 | C ₂₂ H ₂₀ NO ₇ ⁺ | 410.1234 | C ₂₂ H ₂₀ NO ₈ ⁺ | 426.1183 | C ₇ H ₈ NO ₃ ⁺ | 154.0499 |
| Cefalosporines | | | | | | | | | | | |
| Cefaclor | C ₁₅ H ₁₄ C ₁₁ N ₃ O ₄ S | 367.0394 | [M+H] ⁺ | 368.0466 | 8.6 | C ₇ H ₈ N ⁺ | 106.0651 | C ₁₀ H ₈ NO ₂ ⁺ | 174.0550 | | |
| Cefadroxil | C ₁₆ H ₁₇ N ₃ O ₅ S | 363.0889 | [M+H] ⁺ | 364.0962 | 7.0 | C ₄ H ₄ NOS ⁺ | 114.0008 | C ₁₀ H ₁₁ O ₃ N ₂ ⁺ | 208.0842 | C ₁₀ H ₈ NO ₃ ⁺ | 190.0499 |
| Cefalexin | C ₁₆ H ₁₇ N ₃ O ₄ S | 347.0940 | [M+H] ⁺ | 348.1013 | 8.7 | C ₇ H ₈ N ⁺ | 106.0651 | C ₆ H ₈ NO ₂ S ⁺ | 158.027 | C ₄ H ₄ NOS ⁺ | 114.0008 |
| Cefapirin | C ₁₇ H ₁₇ N ₃ O ₆ S ₂ | 423.0553 | [M+H] ⁺ | 424.0632 | 10.5 | C ₁₃ H ₁₄ N ₃ OS ₂ ⁺ | 292.0573 | C ₇ H ₆ NOS ⁺ | 152.0165 | | |
| Cefazolin | C ₁₄ H ₁₄ N ₈ O ₄ S ₃ | 454.0300 | [M+H] ⁺ | 455.0373 | 11.3 | C ₁₁ H ₁₁ N ₆ O ₄ S ⁺ | 353.0557 | | | | |
| Ceftiofur | C ₁₉ H ₁₇ N ₅ O ₇ S ₃ | 523.0290 | [M+H] ⁺ | 524.0363 | 10.4 | C ₁₆ H ₅ N ₂ O ⁺ | 241.0396 | | | | |
| Penicillins | | | | | | | | | | | |

| | | | | | | | | | | | |
|---------------|---|----------|--|----------|------|--|----------|---|----------|--|----------|
| Amoxicillin | C ₁₆ H ₁₉ N ₃ O ₅ S | 365.1045 | [M+H] ⁺ | 366.1118 | 5.2 | C ₉ H ₁₀ N ₃ ⁺ | 160.0869 | C ₄ H ₄ NOS ⁺ | 114.0008 | C ₁₆ H ₁₇ N ₂ O ₅ S ⁺ | 349.085 |
| Ampicillin | C ₁₆ H ₁₉ N ₃ O ₄ S | 349.1096 | [M+H] ⁺ | 350.1169 | 7.2 | C ₇ H ₈ N ⁺ | 106.0651 | C ₆ H ₁₀ NO ₂ S ⁺ | 160.0427 | C ₁₀ H ₈ NO ₂ ⁺ | 174.055 |
| Cloxacillin | C ₁₉ H ₁₈ ClN ₃ O ₅ S | 435.0656 | [(MH ₂ -CO)+H] ⁺ | 410.0936 | 10.7 | C ₇ H ₁₂ NO ₂ S ⁺ | 174.0583 | C ₆ H ₁₀ NS ⁺ | 128.0528 | | |
| Dicloxacillin | C ₁₉ H ₁₇ C ₁₂ N ₃ O ₅ S | 469.0266 | [(MH ₂ -CO)+H] ⁺ | 444.0546 | 10.8 | C ₆ H ₁₀ NO ₂ S ⁺ | 160.0427 | C ₁₃ H ₉ C ₁₂ N ₂ O ₃ ⁺ | 310.9985 | | |
| Oxacillin | C ₁₉ H ₁₉ N ₃ O ₅ S | 401.1045 | [(MH ₂ -CO)+H] ⁺ | 376.1326 | 10.6 | C ₆ H ₁₀ NO ₂ S ⁺ | 160.0427 | | | | |
| Penicillin G | C ₁₆ H ₁₈ N ₂ O ₄ S | 334.0987 | [(MH ₂ -CO)+H] ⁺ | 309.1267 | 10.3 | C ₆ H ₁₀ NS ⁺ | 128.0522 | C ₇ H ₁₂ NO ₂ S ⁺ | 174.0583 | C ₇ H ₇ ⁺ | 91.0542 |
| Penicillin V | C ₁₆ H ₁₈ N ₂ O ₅ S | 350.0936 | [(MH ₂ -CO)+H] ⁺ | 325.1217 | 10.5 | C ₁₀ H ₁₃ N ₂ O ₂ ⁺ | 193.0972 | C ₆ H ₁₀ NS ⁺ | 128.0528 | C ₁₄ H ₁₉ N ₂ O ₂ S ⁺ | 279.1152 |

Macrolides

| | | | | | | | | | | | |
|-------------------------------|--|----------|-------------------------------------|----------|------|--|----------|---|----------|--|----------|
| Azithromycin | C ₃₈ H ₇₂ N ₂ O ₁₂ | 748.5085 | [M+H] ⁺ | 749.5158 | 9.7 | C ₈ H ₁₆ NO ₂ ⁺ | 158.1176 | C ₆ H ₁₄ NO ⁺ | 116.107 | C ₃₀ H ₅₉ N ₂ O ₉ ⁺ | 591.4215 |
| Clarithromycin | C ₃₈ H ₆₉ NO ₁₃ | 747.4769 | [M+H] ⁺ | 748.4842 | 10.8 | C ₈ H ₁₆ NO ₂ ⁺ | 158.1176 | C ₃₀ H ₅₆ NO ₁₀ ⁺ | 590.3899 | | |
| Erythromycin-H ₂ O | C ₃₇ H ₆₇ NO ₁₃ | 733.4612 | [M-H ₂ O+H] ⁺ | 716.4579 | 10.6 | C ₂₉ H ₅₂ NO ₉ ⁺ | 558.3637 | C ₈ H ₁₆ NO ₂ ⁺ | 158.1174 | C ₂₉ H ₅₀ NO ₈ ⁺ | 540.3538 |
| Tiamulin | C ₂₈ H ₄₇ NO ₄ S | 493.3226 | [M+H] ⁺ | 494.3299 | 10.5 | C ₈ H ₁₈ NO ₂ S ⁺ | 192.1053 | | | | |
| Tilmicosin | C ₄₆ H ₈₀ N ₂ O ₁₃ | 868.5660 | [M+2H] ²⁺ | 435.2894 | 9.9 | C ₃₈ H ₆₇ N ₂ O ₉ ⁺ | 695.4841 | C ₈ H ₁₆ NO ₃ ⁺ | 174.1125 | C ₅ H ₇ O ₂ ⁺ | 99.0441 |

Sulfonamides

| | | | | | | | | | | | |
|------------------------|---|----------|--------------------|----------|-----|--|----------|--|----------|--|----------|
| Dapsone | C ₁₂ H ₁₂ N ₂ O ₂ S | 248.0619 | [M+H] ⁺ | 249.0692 | 8.6 | C ₆ H ₆ NO ⁺ | 108.0444 | C ₆ H ₆ N ⁺ | 92.0495 | C ₄ H ₄ N ₄ OS ⁺ | 156.0114 |
| Sulfachloropyridazine | C ₁₀ H ₉ ClN ₄ O ₂ S | 284.0135 | [M+H] ⁺ | 285.0208 | 9.0 | C ₆ H ₆ NO ⁺ | 108.0444 | C ₆ H ₆ N ⁺ | 92.0495 | C ₄ H ₄ N ₄ OS ⁺ | 156.0114 |
| Sulfaclozine | C ₁₀ H ₉ ClN ₄ O ₂ S | 284.0135 | [M+H] ⁺ | 285.0208 | 9.8 | C ₆ H ₆ NO ⁺ | 108.0444 | C ₆ H ₆ N ⁺ | 92.0495 | C ₄ H ₄ N ₄ OS ⁺ | 156.0114 |
| Sulfadiazine | C ₁₀ H ₁₀ N ₄ O ₂ S | 250.0524 | [M+H] ⁺ | 251.0597 | 7.3 | C ₆ H ₆ NO ⁺ | 108.0444 | C ₆ H ₆ N ⁺ | 92.0495 | C ₄ H ₄ N ₄ OS ⁺ | 156.0114 |
| Sulfadimethoxine | C ₁₂ H ₁₄ N ₄ O ₄ S | 310.0736 | [M+H] ⁺ | 311.0809 | 9.9 | C ₄ H ₄ N ₄ OS ⁺ | 156.0114 | C ₆ H ₆ NO ⁺ | 108.0444 | | |
| Sulfadimidine | C ₁₂ H ₁₄ N ₄ O ₂ S | 278.0837 | [M+H] ⁺ | 279.091 | 8.8 | C ₆ H ₁₀ N ₃ ⁺ | 124.0869 | C ₆ H ₈ N ₃ O ₂ S ⁺ | 186.0332 | C ₁₂ H ₄ N ₄ ⁺ | 204.043 |
| Sulfadoxine | C ₁₂ H ₁₄ N ₄ O ₄ S | 310.0736 | [M+H] ⁺ | 311.0809 | 9.3 | C ₄ H ₄ N ₄ OS ⁺ | 156.0114 | C ₆ H ₆ NO ⁺ | 108.0444 | C ₆ H ₆ N ⁺ | 92.0495 |
| Sulfaguanidine | C ₇ H ₁₀ N ₄ O ₂ S | 214.0524 | [M+H] ⁺ | 215.0597 | 2.8 | C ₆ H ₆ N ⁺ | 92.0495 | C ₆ H ₆ NO ⁺ | 108.0444 | C ₄ H ₄ N ₄ OS ⁺ | 156.0114 |
| Sulfamerazine | C ₁₁ H ₁₂ N ₄ O ₂ S | 264.0681 | [M+H] ⁺ | 265.0754 | 8.2 | C ₆ H ₆ NO ⁺ | 108.0444 | C ₆ H ₆ N ⁺ | 92.0495 | C ₄ H ₄ N ₄ OS ⁺ | 156.0114 |
| Sulfameter | C ₁₁ H ₁₂ N ₄ O ₃ S | 280.0630 | [M+H] ⁺ | 281.0703 | 8.6 | C ₆ H ₆ NO ⁺ | 108.0444 | C ₆ H ₆ N ⁺ | 92.0495 | C ₄ H ₄ N ₄ OS ⁺ | 156.0114 |
| Sulfamethizole | C ₉ H ₁₀ N ₄ O ₂ S ₂ | 270.0245 | [M+H] ⁺ | 271.0318 | 8.7 | C ₆ H ₆ NO ⁺ | 108.0444 | C ₆ H ₆ N ⁺ | 92.0495 | C ₄ H ₄ N ₄ OS ⁺ | 156.0114 |
| Sulfamethoxazole | C ₁₀ H ₁₁ N ₃ O ₃ S | 253.0521 | [M+H] ⁺ | 254.0594 | 9.1 | C ₆ H ₆ NO ⁺ | 108.0444 | C ₆ H ₆ N ⁺ | 92.0495 | C ₄ H ₄ N ₄ OS ⁺ | 156.0114 |
| Sulfamethoxypyridazine | C ₁₁ H ₁₂ N ₄ O ₃ S | 280.0630 | [M+H] ⁺ | 281.0703 | 8.9 | C ₆ H ₆ NO ⁺ | 108.0444 | C ₆ H ₆ N ⁺ | 92.0495 | C ₄ H ₄ N ₄ OS ⁺ | 156.0114 |
| Sulfamonomethoxine | C ₁₁ H ₁₂ N ₄ O ₃ S | 280.0630 | [M+H] ⁺ | 281.0703 | 9.2 | C ₆ H ₆ NO ⁺ | 108.0444 | C ₄ H ₄ N ₄ OS ⁺ | 156.0114 | C ₆ H ₆ N ⁺ | 92.0495 |
| Sulfamoxole | C ₁₁ H ₁₃ N ₃ O ₃ S | 267.0678 | [M+H] ⁺ | 268.075 | 9.3 | C ₆ H ₆ NO ⁺ | 108.0444 | C ₆ H ₆ N ⁺ | 92.0495 | C ₄ H ₄ N ₄ OS ⁺ | 156.0114 |
| Sulfapyridine | C ₁₁ H ₁₁ N ₃ O ₂ S | 249.0572 | [M+H] ⁺ | 250.0645 | 8.0 | C ₆ H ₆ NO ⁺ | 108.0444 | C ₄ H ₄ N ₄ OS ⁺ | 156.0114 | C ₆ H ₆ N ⁺ | 92.0495 |

| | | | | | | | | | | | |
|---------------------------|--|----------|-----------------------------------|----------|------|--|----------|--|----------|--|----------|
| Sulfaquinoxaline | C ₁₄ H ₁₂ N ₄ O ₂ S | 300.0681 | [M+H] ⁺ | 301.0754 | 10.1 | C ₆ H ₆ NO ⁺ | 108.0444 | C ₆ H ₆ N ⁺ | 92.0495 | C ₄ H ₄ N ₄ OS ⁺ | 156.0114 |
| Sulfathiazole | C ₉ H ₉ N ₃ O ₂ S ₂ | 255.0136 | [M+H] ⁺ | 256.0209 | 7.8 | C ₆ H ₆ NO ⁺ | 108.0444 | C ₄ H ₄ N ₄ OS ⁺ | 156.0114 | C ₆ H ₆ N ⁺ | 92.0495 |
| Sulfisoxazole | C ₁₁ H ₁₃ N ₃ O ₃ S | 267.0678 | [M+H] ⁺ | 268.075 | 8.5 | C ₆ H ₆ NO ⁺ | 108.0444 | C ₆ H ₆ N ⁺ | 92.0495 | C ₄ H ₄ N ₄ OS ⁺ | 156.0114 |
| Quinoxalines | | | | | | | | | | | |
| Carbadox | C ₁₁ H ₁₀ N ₄ O ₄ | 262.0702 | [M+H] ⁺ | 263.0775 | 9.2 | C ₁₀ H ₇ N ₄ O ₃ ⁺ | 231.0513 | C ₈ H ₅ N ₂ ⁺ | 129.0447 | | |
| Olaquindox | C ₁₂ H ₁₇ N ₃ O ₄ | 267.1219 | [M+H] ⁺ | 268.1292 | 6.9 | C ₁₂ H ₁₁ N ₃ O ₂ ⁺ | 229.0846 | C ₁₀ H ₉ N ₂ O ₄ ⁺ | 221.0553 | C ₉ H ₈ N ₂ O ⁺ | 160.0631 |
| Amphenicols | | | | | | | | | | | |
| Florfenicol | C ₁₂ H ₁₄ C ₁₂ FNO ₄ S | 357.0005 | [M+NH ₄] ⁺ | 375.0343 | 9.3 | C ₁₁ H ₉ Cl ₂ NO ⁺ | 241.0053 | | | | |
| Thiampenicol | C ₁₂ H ₁₅ C ₁₂ NO ₅ S | 355.0048 | [M+NH ₄] ⁺ | 373.0386 | 8.5 | C ₁₁ H ₁₈ ClN ₂ O ₃ ⁺ | 261.1 | | | | |
| Diaminopyrimidines | | | | | | | | | | | |
| Baquiloiprin | C ₁₇ H ₂₀ N ₆ | 308.1749 | [M+H] ⁺ | 309.1822 | 6.2 | C ₁₆ H ₁₈ N ₆ ⁺ | 294.1587 | C ₁₁ H ₁₁ N ₂ ⁺ | 171.0917 | | |
| Trimethoprim | C ₁₄ H ₁₈ N ₄ O ₃ | 290.1379 | [M+H] ⁺ | 291.1452 | 8.3 | C ₅ H ₇ N ₄ ⁺ | 123.0665 | C ₁₂ H ₁₄ N ₄ O ⁺ | 230.1176 | C ₁₂ H ₁₂ N ₄ O ₃ ⁺ | 261.0957 |
| Other antibiotics | | | | | | | | | | | |
| Lincomycin | C ₁₈ H ₃₄ N ₂ O ₆ S | 406.2138 | [M+H] ⁺ | 407.221 | 8.3 | C ₈ H ₁₆ N ⁺ | 126.1277 | C ₁₇ H ₃₁ N ₂ O ₆ ⁺ | 359.2177 | | |
| Novobiocin | C ₃₁ H ₃₆ N ₂ O ₁₁ | 612.2319 | [M+H] ⁺ | 613.2392 | 11.7 | C ₁₂ H ₁₃ O ₂ ⁺ | 189.091 | C ₂₂ H ₂₂ NO ₆ ⁺ | 396.1442 | C ₉ H ₁₆ NO ₅ ⁺ | 218.1023 |
| Rifaximin | C ₄₃ H ₅₁ N ₃ O ₁₁ | 785.3524 | [M+H] ⁺ | 786.3596 | 11.1 | C ₄₂ H ₄₈ N ₃ O ₁₀ ⁺ | 754.3334 | | | | |
| Anthelmintics | | | | | | | | | | | |
| Albendazole | C ₁₂ H ₁₅ N ₃ O ₂ S | 265.0885 | [M+H] ⁺ | 266.0958 | 11.0 | C ₁₁ H ₁₂ N ₃ OS ⁺ | 234.0696 | C ₈ H ₅ N ₃ OS ⁺ | 191.0148 | C ₈ H ₅ N ₃ O ⁺ | 159.0427 |
| Albendazole oxide | C ₁₂ H ₁₅ N ₃ O ₃ S | 281.0834 | [M+H] ⁺ | 282.0907 | 9.9 | C ₈ H ₆ N ₃ O ₂ S ⁺ | 208.0175 | C ₉ H ₁₀ N ₃ O ₃ S ⁺ | 240.0437 | C ₉ H ₉ N ₃ O ₂ ⁺ | 191.0689 |
| Albendazole sulfone | C ₁₂ H ₁₅ N ₃ O ₄ S | 297.0783 | [M+H] ⁺ | 298.0856 | 11.5 | C ₁₁ H ₁₂ N ₃ O ₃ S ⁺ | 266.0594 | C ₈ H ₆ N ₃ O ₃ S ⁺ | 224.0124 | | |
| Dimetridazole | C ₅ H ₇ N ₃ O ₂ | 141.0538 | [M+H] ⁺ | 142.0611 | 7.9 | C ₅ H ₇ N ₂ ⁺ | 95.0604 | C ₄ H ₅ N ₂ ⁺ | 81.0447 | | |
| Febantel | C ₂₀ H ₂₂ N ₄ O ₆ S | 446.1260 | [M+H] ⁺ | 447.1333 | 11.3 | No fragments | | | | | |
| Fenbendazole | C ₁₅ H ₁₃ N ₃ O ₂ S | 299.0728 | [M+H] ⁺ | 300.0801 | 11.3 | C ₁₄ H ₁₀ N ₃ OS ⁺ | 268.0539 | C ₁₀ H ₇ O ₂ ⁺ | 159.0441 | | |
| Flubendazole | C ₁₆ H ₁₂ FN ₃ O ₃ | 313.0863 | [M+H] ⁺ | 314.0935 | 10.8 | C ₁₅ H ₉ FN ₃ O ₂ ⁺ | 282.0673 | C ₇ H ₄ FO ⁺ | 123.0241 | | |
| Levamisole | C ₁₁ H ₁₂ N ₂ S | 204.0721 | [M+H] ⁺ | 205.0794 | 7.7 | C ₁₀ H ₁₂ NS ⁺ | 178.0685 | C ₁₀ H ₁₂ N ⁺ | 146.0964 | C ₇ H ₇ S ⁺ | 123.0263 |
| Mebendazole | C ₁₆ H ₁₃ N ₃ O ₃ | 295.0957 | [M+H] ⁺ | 296.103 | 10.7 | C ₁₅ H ₁₀ N ₃ O ₂ ⁺ | 264.0768 | | | | |
| Metronidazole | C ₆ H ₉ N ₃ O ₃ | 171.0644 | [M+H] ⁺ | 172.0717 | 7.2 | C ₄ H ₆ N ₃ O ₂ ⁺ | 128.0455 | C ₄ N ₂ H ₅ ⁺ | 82.0525 | C ₁₁ H ₁₁ O ⁺ | |
| Morantel | C ₁₂ H ₁₆ N ₂ S | 220.1034 | [M+H] ⁺ | 221.1107 | 9.0 | C ₆ H ₇ S ⁺ | 111.0263 | C ₇ H ₇ S ⁺ | 123.0263 | | |
| Oxfendazole | C ₁₅ H ₁₃ N ₃ O ₃ S | 315.0678 | [M+H] ⁺ | 316.075 | 10.4 | C ₁₁ H ₁₁ O ₃ ⁺ | 191.0703 | C ₁₄ H ₁₀ N ₃ O ₂ S ⁺ | 284.0488 | | |

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|-----------------|--|----------|--------------------|----------|------|---|----------|---|----------|--|----------|--|
| Piperazine | C ₄ H ₁₀ N ₂ | 86.0844 | [M+H] ⁺ | 87.0917 | 1.3 | C ₄ H ₇ N ⁺ | 70.0651 | | | | | |
| Ronidazole | C ₆ H ₈ N ₄ O ₄ | 200.0546 | [M+H] ⁺ | 201.0618 | 7.2 | C ₂ H ₄ N ₂ ⁺ | 56.0369 | | | | | |
| Ternidazole | C ₇ H ₁₁ N ₃ O ₃ | 185.0800 | [M+H] ⁺ | 186.0873 | 8.3 | C ₄ H ₆ N ₃ O ₂ ⁺ | 128.0455 | C ₄ H ₆ N ₂ ⁺ | 82.0525 | C ₆ HN ₂ ⁺ | 101.0134 | |
| Thiabendazole | C ₁₀ H ₇ N ₃ S | 201.0361 | [M+H] ⁺ | 202.0433 | 9.1 | C ₉ H ₇ N ₂ S ⁺ | 175.0324 | C ₈ H ₇ N ₂ ⁺ | 131.0604 | | | |
| Triclabendazole | C ₁₄ H ₉ C ₁₃ N ₂ OS | 357.9501 | [M+H] ⁺ | 358.9574 | 11.8 | C ₁₃ H ₇ Cl ₃ N ₂ OS ⁺ | 343.9334 | C ₁₃ H ₇ Cl ₃ N ₂ OS ⁺ | 345.931 | C ₁₂ H ₁₁ Cl ₃ N ⁺ | 273.9952 | |

Coccidiostats

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|--------------|---|----------|-----------------------------------|----------|------|---|----------|--|----------|---|----------|--|
| Arprinocid | C ₁₂ H ₉ ClFN ₅ | 277.0531 | [M+H] ⁺ | 278.0603 | 10.3 | C ₇ H ₅ ClF ⁺ | 143.0058 | | | | | |
| Clopidol | C ₇ H ₇ Cl ₂ NO | 190.9905 | [M+H] ⁺ | 191.9977 | 8.3 | C ₅ H ₆ Cl ⁺ | 101.0153 | C ₄ H ₄ Cl ⁺ | 86.9996 | | | |
| Decoquinate | C ₂₄ H ₃₅ NO ₅ | 417.2515 | [M+H] ⁺ | 418.2588 | 12.4 | C ₂₂ H ₃₂ NO ₅ ⁺ | 390.2275 | C ₂₂ H ₃₀ NO ₄ ⁺ | 372.2169 | | | |
| Diaveridine | C ₁₃ H ₁₆ N ₄ O ₂ | 260.1273 | [M+H] ⁺ | 261.1346 | 8.2 | C ₁₂ H ₁₃ N ₄ O ₂ ⁺ | 245.1033 | C ₅ H ₇ N ₄ ⁺ | 123.0665 | C ₁₁ H ₁₃ N ₄ O ⁺ | 217.1084 | |
| Ethopabate | C ₁₂ H ₁₅ NO ₄ | 237.1001 | [M+H] ⁺ | 238.1074 | 10.4 | C ₇ H ₆ NO ₂ ⁺ | 136.0393 | C ₉ H ₁₀ NO ₂ ⁺ | 164.0706 | C ₁₁ H ₁₂ NO ₃ ⁺ | 206.0812 | |
| Halofuginone | C ₁₆ H ₁₇ BrClN ₃ O ₃ | 413.0142 | [M+H] ⁺ | 414.0215 | 10.3 | C ₅ H ₁₀ NO ⁺ | 100.0757 | C ₈ H ₁₀ N ⁺ | 120.0808 | C ₆ H ₁₄ NO ⁺ | 116.107 | |
| Imidocarb | C ₁₉ H ₂₀ N ₆ O | 348.1699 | [M+H] ⁺ | 349.1771 | 7.7 | C ₁₀ H ₁₀ N ₃ O ⁺ | 188.0818 | C ₉ H ₁₂ N ₃ ⁺ | 162.1026 | | | |
| Lasalocid | C ₃₄ H ₅₄ O ₈ | 590.3819 | [M+H] ⁺ | 591.3891 | 10.3 | C ₂₃ H ₃₇ O ₄ ⁺ | 377.2686 | | | | | |
| Monensin | C ₃₆ H ₆₂ O ₁₁ | 670.4291 | [M+NH ₄] ⁺ | 688.4630 | 12.6 | C ₂₅ H ₄₁ O ₅ ⁺ | 421.2949 | C ₃₁ H ₄₃ NO ₂ ⁺ | 461.3288 | | | |
| Narasin | C ₄₃ H ₇₂ O ₁₁ | 764.5074 | [M+NH ₄] ⁺ | 782.5413 | 12.4 | C ₂₃ H ₃₆ O ₆ NH ₄ ⁺ | 426.2850 | [M+Na] ⁺ | 787.4967 | | | |
| Nigericin | C ₄₀ H ₆₈ O ₁₁ | 724.4761 | [M+NH ₄] ⁺ | 742.5100 | 12.9 | [M+Na] ⁺ | 747.4654 | | | | | |
| Robenidine | C ₁₅ H ₁₃ C ₁₂ N ₅ | 333.0548 | [M+H] ⁺ | 334.0621 | 11.0 | C ₇ H ₅ ClN ⁺ | 138.0105 | C ₇ H ₈ ClN ₂ ⁺ | 155.0371 | C ₈ H ₅ ClN ₃ ⁺ | 178.0167 | |
| Salinomycin | C ₄₂ H ₇₀ O ₁₁ | 750.4918 | [M+NH ₄] ⁺ | 768.5256 | 12.3 | C ₂₃ H ₃₆ O ₆ NH ₄ ⁺ | 426.2850 | | | | | |

NSAIDs

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|--------------------|--|----------|--------------------|----------|------|---|----------|---|----------|---|----------|--|
| 5-Hydroxy-flunixin | C ₁₄ H ₁₁ F ₃ N ₂ O ₃ | 312.0722 | [M+H] ⁺ | 313.0795 | 11.3 | C ₁₄ H ₁₀ F ₃ N ₂ O ₂ ⁺ | 295.0689 | C ₅ H ₈ F ₃ ⁺ | 125.0573 | | | |
| Aceclofenac | C ₁₆ H ₁₃ C ₁₂ NO ₄ | 353.0222 | [M+H] ⁺ | 354.0294 | 11.7 | C ₇ H ₁₅ Cl ₂ NO ₂ ⁺ | 215.0474 | C ₁₃ H ₁₀ Cl ₂ N ⁺ | 250.0185 | | | |
| Diclofenac | C ₁₄ H ₁₁ C ₁₂ NO ₂ | 295.0167 | [M+H] ⁺ | 296.024 | 11.5 | C ₁₃ H ₁₀ ClN ⁺ | 215.0496 | C ₁₃ H ₁₀ Cl ₂ N ⁺ | 250.0185 | | | |
| Flunixin | C ₁₄ H ₁₁ F ₃ N ₂ O ₂ | 296.0773 | [M+H] ⁺ | 297.0845 | 11.5 | C ₁₄ H ₁₀ F ₃ N ₂ O ⁺ | 279.0748 | C ₁₃ H ₈ F ₃ N ₂ O ⁺ | 265.0579 | | | |
| Ketoprofen | C ₁₆ H ₁₄ O ₃ | 254.0943 | [M+H] ⁺ | 255.1016 | 11.0 | C ₇ H ₅ O ⁺ | 105.0335 | C ₁₅ H ₁₃ O ⁺ | 209.0961 | C ₁₀ H ₉ O ₃ ⁺ | 177.0546 | |
| Mefenamic acid | C ₁₅ H ₁₅ NO ₂ | 241.1103 | [M+H] ⁺ | 242.1176 | 11.9 | C ₁₅ H ₁₄ NO ⁺ | 224.107 | C ₁₄ H ₁₁ NO ⁺ | 209.0827 | C ₇ H ₁₃ O ₂ ⁺ | 129.091 | |
| Meloxicam | C ₁₄ H ₁₃ N ₃ O ₄ S ₂ | 351.0347 | [M+H] ⁺ | 352.042 | 11.0 | C ₄ H ₇ N ₂ S ⁺ | 115.0324 | C ₅ H ₅ N ₂ OS ⁺ | 141.0117 | | | |
| Naproxen | C ₁₄ H ₁₄ O ₃ | 230.0943 | [M+H] ⁺ | 231.1016 | 11.1 | C ₁₃ H ₁₃ O ⁺ | 185.0961 | C ₁₀ H ₈ N ₃ ⁺ | 170.0713 | C ₁₂ H ₉ ⁺ | 153.0699 | |
| Niflumic acid | C ₁₃ H ₉ F ₃ N ₂ O ₂ | 282.0616 | [M+H] ⁺ | 283.0689 | 11.6 | C ₁₃ H ₈ F ₃ N ₂ O ⁺ | 265.0583 | C ₁₃ H ₇ F ₂ N ₂ O ⁺ | 245.0521 | | | |
| Phenylbuntazone | C ₁₉ H ₂₀ N ₂ O ₂ | 308.1525 | [M+H] ⁺ | 309.1598 | 11.3 | C ₇ H ₆ NO ⁺ | 120.0444 | C ₁₁ H ₁₄ N ⁺ | 160.1121 | C ₁₃ H ₁₁ N ₂ O ⁺ | 211.0866 | |

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|------------------------|---|----------|-----------------------------------|----------|------|--|----------|---|----------|---|----------|
| Tolfenamic acid | C ₁₄ H ₁₂ CINO ₂ | 261.0556 | [M+NH ₄] ⁺ | 279.0895 | 8.8 | No fragments | | | | | |
| Vedaprofen | C ₁₉ H ₂₆ NO ₂ | 282.1620 | [M+NH ₄] ⁺ | 300.1958 | 12.1 | C ₁₂ H ₁₁ ⁺ | 155.0855 | C ₁₈ H ₂₁ ⁺ | 237.1638 | | |
| beta-agonists | | | | | | | | | | | |
| Cimaterol | C ₁₂ H ₁₇ N ₃ O | 219.1372 | [M+H] ⁺ | 220.1444 | 6.8 | C ₉ H ₁₀ N ₃ ⁺ | 160.0869 | C ₉ H ₇ N ₂ ⁺ | 143.0604 | C ₁₂ H ₁₆ N ₃ ⁺ | 202.1339 |
| Clenbuterol | C ₁₂ H ₁₈ Cl ₂ N ₂ O | 276.0796 | [M+H] ⁺ | 277.0869 | 9.1 | C ₈ H ₉ Cl ₂ N ₂ ⁺ | 203.0137 | C ₁₂ H ₁₇ Cl ₂ N ₂ ⁺ | 259.0763 | C ₁₁ H ₆ NO ⁺ | 168.0444 |
| Clenpenterol | C ₁₃ H ₂₀ Cl ₂ N ₂ O | 290.0953 | [M+H] ⁺ | 291.1025 | 9.6 | C ₈ H ₉ Cl ₂ N ₃ ⁺ | 203.0137 | | | | |
| Mabuterol | C ₁₃ H ₁₈ ClF ₃ N ₂ O | 310.1060 | [M+H] ⁺ | 311.1133 | 9.6 | C ₉ H ₉ ClF ₃ N ₂ ⁺ | 237.0401 | C ₉ H ₈ ClF ₂ N ₂ ⁺ | 217.0339 | | |
| Ractopamine | C ₁₈ H ₂₃ NO ₃ | 301.1678 | [M+H] ⁺ | 302.1751 | 8.8 | C ₈ H ₉ O ⁺ | 121.0648 | C ₇ H ₇ O ⁺ | 107.0491 | C ₁₀ H ₁₄ NO ⁺ | 164.1070 |
| Salbutamol | C ₁₃ H ₂₁ NO ₃ | 239.1521 | [M+H] ⁺ | 240.1594 | 7.2 | C ₉ H ₁₀ NO ⁺ | 148.0757 | C ₈ H ₉ O ⁺ | 121.0648 | | |
| Terbutaline | C ₁₂ H ₁₉ NO ₃ | 225.1365 | [M+H] ⁺ | 226.1438 | 7.1 | C ₈ H ₁₀ NO ₂ ⁺ | 152.0706 | C ₇ H ₉ O ₂ ⁺ | 125.0597 | C ₇ H ₇ O ⁺ | 107.0491 |
| Steroids | | | | | | | | | | | |
| Betamethasone | C ₂₂ H ₂₉ FO ₅ | 392.1999 | [M+H] ⁺ | 393.2072 | 10.8 | C ₂₂ H ₂₇ O ₄ ⁺ | 355.1904 | C ₂₂ H ₂₉ O ₅ ⁺ | 373.201 | C ₂₂ H ₂₅ O ₃ ⁺ | 337.1798 |
| Cortisol | C ₂₁ H ₃₀ O ₅ | 362.2093 | [M+H] ⁺ | 363.2166 | 10.7 | C ₈ H ₉ O ⁺ | 121.0648 | C ₂₁ H ₂₇ O ₃ ⁺ | 327.1955 | C ₂₁ H ₂₅ O ₂ ⁺ | 309.1849 |
| Cortison | C ₂₁ H ₂₈ O ₅ | 360.1937 | [M+H] ⁺ | 361.201 | 10.7 | C ₁₁ H ₁₅ O ⁺ | 163.1117 | | | | |
| Dexamethazone | C ₂₂ H ₂₉ FO ₅ | 392.1999 | [M+H] ⁺ | 393.2072 | 7.4 | C ₂₂ H ₂₉ O ₅ ⁺ | 373.2009 | | | | |
| Methylprednisolone | C ₂₂ H ₃₀ O ₅ | 374.2093 | [M+H] ⁺ | 375.2166 | 10.9 | C ₂₂ H ₂₉ O ₄ ⁺ | 357.206 | C ₂₂ H ₂₇ O ₃ ⁺ | 339.1955 | C ₂₂ H ₂₅ O ₂ ⁺ | 321.1849 |
| Progesteron | C ₂₁ H ₃₀ O ₂ | 314.2246 | [M+H] ⁺ | 315.2319 | 11.5 | C ₇ H ₉ O ⁺ | 109.0648 | C ₆ H ₉ O ⁺ | 97.0648 | C ₈ H ₁₁ O ⁺ | 123.0804 |
| Thyreostats | | | | | | | | | | | |
| Methyl-thiouracil | C ₅ H ₆ N ₂ O ₂ S | 158.0150 | [M+H] ⁺ | 159.0223 | 3.9 | C ₄ H ₆ NO ⁺ | 84.0444 | C ₅ H ₄ NOS ⁺ | 126.0008 | | |
| Phenyl-thiouracil | C ₁₀ H ₈ N ₂ OS | 204.0357 | [M+H] ⁺ | 205.0430 | 9.8 | C ₈ H ₇ ⁺ | 103.0542 | C ₉ H ₈ NO ⁺ | 146.06 | C ₁₀ H ₆ NOS ⁺ | 188.0165 |
| Propyl-thiouracil | C ₇ H ₁₀ N ₂ OS | 170.0514 | [M+H] ⁺ | 171.0587 | 8.9 | C ₆ H ₁₀ NO ⁺ | 112.0757 | C ₇ H ₈ NOS ⁺ | 154.0321 | | |
| Pharmaceuticals | | | | | | | | | | | |
| Ambroxol | C ₁₃ H ₁₈ Br ₂ N ₂ O ₂ | 391.9735 | [M+H] ⁺ | 392.9808 | 10.1 | C ₆ H ₆ Br ₂ NO ⁺ | 263.8838 | C ₆ H ₁₄ NO ⁺ | 116.1069 | | |
| Atenolol | C ₁₄ H ₂₂ N ₂ O ₃ | 266.1630 | [M+H] ⁺ | 267.1703 | 7.1 | C ₁₁ H ₁₂ NO ₂ ⁺ | 190.0863 | C ₁₁ H ₁₇ N ₂ O ₃ ⁺ | 225.1234 | C ₉ H ₁₀ NO ₂ ⁺ | 164.0706 |
| Atorvastatin | C ₃₃ H ₃₅ FN ₂ O ₅ | 558.2530 | [M+H] ⁺ | 559.2603 | 11.2 | C ₂₆ H ₃₁ FNO ₄ ⁺ | 440.2232 | C ₂₇ H ₂₉ FNO ₅ ⁺ | 466.2024 | | |
| Caffeine | C ₈ H ₁₀ N ₄ O ₂ | 194.0804 | [M+H] ⁺ | 195.0877 | 8.7 | C ₅ H ₇ N ₄ ⁺ | 123.0665 | C ₆ H ₈ N ₃ O ⁺ | 138.0662 | C ₅ H ₈ N ₃ ⁺ | 110.0713 |
| Carbamazepine | C ₁₅ H ₁₂ N ₂ O | 236.0950 | [M+H] ⁺ | 237.1022 | 10.6 | C ₁₄ H ₁₂ N ⁺ | 194.0964 | C ₁₄ H ₁₁ N ⁺ | 193.0886 | | |
| Cimetidine | C ₁₀ H ₁₆ N ₆ S | 252.1157 | [M+H] ⁺ | 253.1230 | 7.4 | C ₅ H ₇ N ₂ ⁺ | 95.0604 | C ₅ H ₁₁ N ₄ S ⁺ | 159.0699 | C ₄ H ₉ N ₂ S ⁺ | 117.0481 |
| Gemfibrozil | C ₁₅ H ₂₂ O ₃ | 250.1569 | [M+H] ⁺ | 251.1642 | 11.9 | C ₇ H ₁₃ O ₂ ⁺ | 129.091 | | | | |

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|--------------|---|----------|-----------------------------------|----------|------|---|----------|---|----------|---|----------|
| Haloperidol | C ₂₁ H ₂₃ ClFNO ₂ | 375.1401 | [M+H] ⁺ | 376.1474 | 10.4 | C ₁₀ H ₁₀ FO ⁺ | 165.071 | C ₂₁ H ₂₂ ClFNO ⁺ | 358.1368 | C ₇ H ₄ FO ⁺ | 123.0241 |
| Indapamide | C ₁₆ H ₁₆ ClN ₃ O ₃ S | 365.0601 | [M+H] ⁺ | 366.0674 | 10.4 | C ₉ H ₁₀ N ⁺ | 132.0808 | | | | |
| Metformin | C ₄ H ₁₁ N ₅ | 129.1014 | [M+H] ⁺ | 130.1087 | 3.1 | C ₂ H ₅ N ₄ ⁺ | 85.0509 | C ₃ H ₇ N ₂ ⁺ | 71.0604 | CH ₆ N ₃ ⁺ | 60.0556 |
| Metoprolol | C ₁₅ H ₂₅ NO ₃ | 267.1834 | [M+H] ⁺ | 268.1907 | 9.3 | C ₆ H ₁₂ N ⁺ | 98.0964 | C ₆ H ₁₄ NO ⁺ | 116.107 | C ₁₁ H ₁₁ O ⁺ | 159.0804 |
| Paracetamol | C ₈ H ₉ NO ₂ | 151.0633 | [M+H] ⁺ | 152.0706 | 7.0 | C ₆ H ₈ NO ⁺ | 110.0600 | C ₆ H ₅ O ⁺ | 93.0335 | | |
| Propranolol | C ₁₆ H ₂₁ NO ₂ | 259.1572 | [M+H] ⁺ | 260.1645 | 10.3 | C ₆ H ₁₄ NO ⁺ | 116.1070 | C ₁₃ H ₁₁ O ⁺ | 183.0804 | C ₁₂ H ₁₁ ⁺ | 155.0855 |
| Ranitidine | C ₁₃ H ₂₂ N ₄ O ₃ S | 314.1413 | [M+H] ⁺ | 315.1485 | 7.1 | C ₅ H ₁₀ N ₃ O ₂ S ⁺ | 176.0488 | C ₁₁ H ₁₂ NO ₂ ⁺ | 190.0863 | | |
| Simvastatin | C ₂₅ H ₄₂ NO ₅ | 436.3063 | [M+NH ₄] ⁺ | 436.3057 | 12.0 | C ₁₅ H ₁₉ ⁺ | 199.1481 | C ₁₉ H ₂₅ O ₂ ⁺ | 285.1850 | C ₁₇ H ₂₁ ⁺ | 225.1638 |
| Theophylline | C ₇ H ₈ N ₄ O ₂ | 180.0647 | [M+H] ⁺ | 181.0720 | 8.1 | C ₅ H ₆ N ₃ O ⁺ | 124.0505 | C ₄ H ₆ N ₃ ⁺ | 96.0556 | C ₃ H ₅ N ₂ ⁺ | 69.0447 |
| Tramadol | C ₁₆ H ₂₅ NO ₂ | 263.1885 | [M+H] ⁺ | 264.1958 | 9.2 | C ₃ H ₈ N ⁺ | 58.0651 | | | | |
| Triamterene | C ₁₂ H ₁₁ N ₇ | 253.1076 | [M+H] ⁺ | 254.1149 | 8.9 | C ₁₂ H ₉ N ₆ ⁺ | 237.0883 | | | | |
| Valsartan | C ₂₄ H ₂₉ N ₅ O ₃ | 435.2270 | [M+H] ⁺ | 436.2343 | 11.2 | C ₁₄ H ₁₁ N ₄ ⁺ | 235.0978 | C ₁₉ H ₁₉ N ₂ O ⁺ | 291.1492 | C ₁₄ H ₁₁ N ₂ ⁺ | 207.0917 |

Others

| | | | | | | | | | | | |
|----------------|--|----------|--------------------|----------|------|---|----------|--|----------|--|----------|
| Bromhexine | C ₁₄ H ₂₀ Br ₂ N ₂ | 373.9993 | [M+H] ⁺ | 375.0066 | 10.6 | C ₇ H ₆ Br ₂ N ⁺ | 261.8861 | C ₇ NH ₁₆ ⁺ | 114.1277 | | |
| Chlorpromazine | C ₁₇ H ₁₉ ClN ₂ S | 318.0957 | [M+H] ⁺ | 319.1030 | 10.8 | C ₅ H ₁₂ N ⁺ | 86.0964 | C ₁₃ H ₉ CINS ⁺ | 246.0139 | | |
| Colchicine | C ₂₂ H ₂₅ NO ₆ | 399.1682 | [M+H] ⁺ | 400.1755 | 10.3 | C ₂₀ H ₂₄ NO ₅ ⁺ | 358.1649 | C ₂₀ H ₂₁ O ₅ ⁺ | 341.1384 | C ₂₂ H ₂₄ NO ₅ ⁺ | 382.1649 |
| Coumaphos | C ₁₄ H ₁₆ ClO ₅ PS | 362.0145 | [M+H] ⁺ | 363.0217 | 11.5 | C ₁₀ H ₉ ClO ₅ PS ⁺ | 306.9591 | C ₁₂ H ₁₃ ClO ₅ PS ⁺ | 334.9904 | C ₁₀ H ₇ ClO ₂ S ⁺ | 226.9923 |
| Melamine | C ₃ H ₆ N ₆ | 126.0654 | [M+H] ⁺ | 127.0727 | 2.9 | C ₂ H ₅ N ₄ ⁺ | 85.0509 | C ₂ H ₂ N ₃ ⁺ | 68.0219 | | |