1. **Cardiolipin detected from American Red Snapper Heart**

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| **CL(CN:DB)** | | **m/z** | **Molecular Species** | |
| CL(68:2) | 1403.9963 | | | C16:0/C18:1/C16:0/C18:1 | |
| CL(68:3) | 1401.9806 | | | C16:0/C18:2/C16:0/C18:1; C16:1/C18:1/C16:0/C18:1; | |
| CL(68:4) | 1399.9650 | | | C16:0/C16:1/C18:1/C18:2; C16:0/C18:2/C16:0/C18:2; C16:1/C18:1/C16:1/C18:1; C16:0/C18:2/C16:1/C18:1; | |
| CL(70:4) | 1427.9958 | | | C16:0/C18:1/C18:1/C18:2; C16:0/C18:2/C18:1/C18:1; C16:1/C18:1/C18:1/C18:1; | |
| CL(70:5) | 1425.9806 | | | C16:0/C18:2/C18:2/C18:1; C16:1/C18:1/C18:2/C18:1; C16:0/C18:1/C18:2/C18:2; C16:0/C18:1/C18:1/C18:3; | |
| CL(70:6) | 1423.9650 | | | C16:0/C18:2/C18:2/C18:2; C16:0/C18:2/C18:1/C18:3; C16:1/C18:1/C18:2/C18:2; C16:1/C18:1/C18:1/C18:3; C16:0/C18:1/C18:2/C18:3; | |
| CL(70:7) | 1421.9493 | | | C16:0/C18:2/C18:2/C18:3; C16:1/C18:2/C18:2/C18:2; | |
| CL(70:8) | 1419.9337 | | | C16:1/C18:2/C18:2/C18:3 | |
| CL(72:10) | 1443.9337 | | | C16:1/C18:2/C16:0/C22:6 | |
| CL(72:4) | 1456.0271 | | | C18:1/C18:1/C18:1/C18:1 | |
| CL(72:5) | 1454.0114 | | | C18:1/C20:3/C16:0/C18:1; C18:3/C18:2/C18:1/C18:1 | |
| CL(72:6) | 1451.9958 | | | C18:1/C18:2/C18:1/C18:2 | |
| CL(72:7) | 1449.9801 | | | C16:0/C22:6/C16:0/C18:1; C18:2/C20:4/C16:0/C18:1; C18:1/C20:5/C16:0/C18:1; C18:1/C20:4/C16:0/C18:2; C18:1/C20:4/C16:1/C18:1; C18:1/C18:2/C18:2/C18:2 | |
| CL(72:8) | 1447.9645 | | | C16:0/C22:6/C16:1/C18:1; C16:0/C22:6/C16:0/C18:2; C16:1/C22:6/C16:0/C18:1; C18:3/C18:2/C18:1/C18:2 | |
| CL(72:9) | 1445.9493 | | | C16:1/C18:2/C16:0/C22:6; C16:0/C18:3/C16:0/C22:6; | |

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| **CL(CN:DB)** | | **m/z** | **Molecular Species** | |
| CL(74:10) | 1471.9645 | | | C16:1/C22:6/C18:1/C18:2; C16:0/C22:6/C18:2/C18:2; C18:1/C20:4/C18:3/C18:2 | |
| CL(74:11) | 1469.9488 | | | C16:1/C22:6/C18:2/C18:2; C16:0/C22:6/C18:2/C18:3; | |
| CL(74:8) | 1475.9958 | | | C18:1/C22:5/C16:0/C18:2; C18:1/C22:5/C16:1/C18:1; C18:1/C22:6/C16:0/C18:1; C16:1/C22:5/C18:1/C18:2; C18:1/C20:4/C18:1/C18:2; C16:0/C22:6/C18:1/C18:1; C18:2/C20:4/C18:1/C18:1 | |
| CL(74:9) | 1473.9801 | | | C16:0/C22:6/C18:1/C18:2; C16:1/C22:5/C18:1/C18:2; C18:1/C22:5/C16:0/C18:3; C20:4/C20:4/C16:0/C18:1; C20:4/C20:3/C16:0/C18:2; | |
| CL(76:10) | 1499.9958 | | | C18:1/C22:5/C18:2/C18:2; C18:1/C22:6/C18:1/C18:2; C20:3/C20:4/C18:1/C18:2; C20:4/C20:4/C18:1/C18:1 | |
| CL(76:11) | 1497.9801 | | | C20:4/C20:4/C18:1/C18:2; C16:0/C22:6/C18:1/C20:4; C16:0/C22:6/C18:2/C20:3; C18:2/C20:4/C18:1/C20:4; C18:2/C20:4/C18:2/C20:3; C18:3/C20:3/C18:1/C20:4; C18:3/C20:3/C18:2/C20:3; C20:4/C20:3/C18:2/C18:2; C18:2/C22:6/C18:2/C18:2 | |
| CL(76:12) | 1495.9645 | | | C18:1/C22:6/C18:3/C18:2; C20:4/C20:3/C18:3/C18:2; C20:4/C20:5/C18:1/C18:2 | |
| CL(76:13) | 1493.9488 | | | C16:1/C22:6/C16:0/C22:6; C16:1/C22:6/C18:2/C20:4 | |
| CL(76:14) | 1491.9332 | | | C16:1/C22:6/C16:1/C22:6 | |

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| **CL(CN:DB)** | | **m/z** | **Molecular Species** | |
| CL(76:9) | 1502.0114 | | | C18:1/C22:5/C18:1/C18:2; C18:1/C22:6/C18:1/C18:1; C20:4/C20:3/C18:1/C18:1; C18:1/C20:3/C18:1/C20:4; C18:1/C20:3/C18:2/C20:3; C18:2/C20:2/C18:1/C20:4; C18:2/C20:2/C18:2/C20:3; C20:4/C20:3/C18:2/C18:2; C18:2/C20:4/C18:1/C20:2; C18:2/C20:4/C18:2/C20:1 | |
| CL(78:12) | 1523.9958 | | | C18:1/C20:4/C18:1/C22:6; C18:1/C20:4/C18:2/C22:5; C18:1/C20:4/C20:4/C20:3; C18:2/C20:3/C18:1/C22:6; C18:2/C20:3/C18:2/C22:5; C18:2/C20:3/C20:4/C20:3; C18:1/C20:3/C20:4/C20:4; | |
| CL(78:13) | 1521.9801 | | | C16:0/C22:6/C18:1/C22:6; C16:0/C22:6/C18:2/C22:5; C16:0/C22:6/C20:3/C20:4; C18:2/C20:4/C18:1/C22:6; C18:2/C20:4/C18:2/C22:5; C18:2/C20:4/C20:3/C20:4; C18:1/C20:5/C18:1/C22:6; C18:1/C20:5/C18:2/C22:5; C16:0/C22:6/C18:1/C22:6; C16:0/C22:6/C18:2/C22:5; C18:1/C20:5/C20:3/C20:4; C18:1/C20:4/C20:4/C20:4; C18:1/C20:4/C20:3/C20:5; C18:1/C20:4/C18:2/C22:6; C18:2/C20:3/C20:4/C20:4; C18:2/C20:3/C20:3/C20:5; C18:2/C20:3/C18:2/C22:6; C18:0/C20:5/C20:4/C20:4; C16:1/C22:6/C18:1/C22:5; C16:1/C22:6/C20:3/C20:3; | |
| CL(78:14) | 1519.9645 | | | C16:1/C22:6/C18:1/C22:6; C16:1/C22:6/C18:2/C22:5; C18:2/C20:5/C18:1/C22:6; C18:2/C20:5/C18:2/C22:5; C18:3/C20:4/C18:1/C22:6; C18:3/C20:4/C18:2/C22:5; | |

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| **CL(CN:DB)** | | **m/z** | **Molecular Species** | |
| CL(78:15) | 1517.9488 | | | C16:1/C22:6/C20:4/C20:4; C20:4/C18:3/C20:4/C20:4 | |
| CL(80:13) | 1550.0114 | | | C18:1/C22:5/C20:4/C20:3; C18:1/C22:5/C18:2/C22:5; C18:1/C22:5/C18:1/C22:6 | |
| CL(80:14) | 1547.9958 | | | C20:4/C20:3/C20:4/C20:3; C20:4/C20:3/C18:2/C22:5; C20:4/C20:3/C18:1/C22:6; C18:2/C22:5/C18:2/C22:5; C18:2/C22:5/C18:1/C22:6; C18:1/C22:5/C18:1/C22:6 | |
| CL(80:15) | 1545.9801 | | | C20:4/C20:4/C20:4/C20:3; C20:4/C20:4/C18:2/C22:5; C20:4/C20:4/C18:1/C22:6; C18:2/C22:6/C20:4/C20:3; C18:2/C22:6/C18:1/C22:6; C18:2/C22:5/C18:2/C22:5; | |
| CL(80:16) | 1543.9645 | | | C20:4/C20:4/C20:4/C20:4; C20:4/C20:4/C18:3/C22:5; C20:4/C20:4/C18:2/C22:6; C20:4/C20:4/C20:3/C20:5; C20:3/C20:5/C20:3/C20:5; C20:3/C20:5/C18:3/C22:5; C20:3/C20:5/C18:2/C22:6; C18:2/C22:6/C18:3/C22:5; C18:2/C22:6/C18:2/C22:6; C18:3/C22:6/C18:3/C22:5; | |
| CL(82:17) | 1569.9801 | | | C20:4/C20:4/C20:3/C22:6; C20:4/C20:4/C20:4/C22:5; C18:2/C22:6/C20:3/C22:6; C18:2/C22:6/C20:4/C22:5; C20:3/C20:5/C20:3/C22:6; C20:3/C20:5/C20:4/C22:6 | |
| CL(82:18) | 1567.9645 | | | C20:4/C20:4/C20:4/C22:6; C18:2/C22:6/C20:4/C22:6; | |

1. **Cardiolipin detected from bovine heart**

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| **CL(CN:DB)** | | **m/z** | **Molecular Species** | |
| CL(68:2) | 1403.9963 | | | C16:0/C18:1/C16:0/C18:1 | |
| CL(68:3) | 1401.9806 | | | C16:0/C18:1/C16:0/C18:2 | |
| CL(70:4) | 1427.9958 | | | C16:0/C18:1/C18:2/C18:1 | |
| CL(70:5) | 1425.9806 | | | C16:0/C18:2/C18:2/C18:1; C16:1/C18:1/C18:2/C18:1; | |
| CL(70:7) | 1421.9493 | | | C16:1/C18:2/C18:2/C18:2 | |
| CL(70:8) | 1419.9337 | | | C16:1/C18:2/C18:2/C18:3 | |
| CL(72:10) | 1443.9337 | | | C18:2/C18:3/C18:2/C18:3 | |
| CL(72:7) | 1449.9801 | | | C18:2/C18:2/C18:1/C18:2 | |
| CL(72:8) | 1447.9645 | | | C18:2/C18:2/C18:2/C18:2 | |
| CL(72:9) | 1445.9493 | | | C18:2/C18:3/C18:2/C18:2 | |
| CL(74:10) | 1471.9645 | | | C18:2/C18:3/C18:2/C20:4; C18:2/C18:3/C18:2/C20:3; C18:2/C18:2/C18:2/C20:4; C18:3/C18:1/C18:2/C20:4 | |
| CL(74:11) | 1469.9488 | | | C18:2/C18:2/C18:2/C20:5; | |
| CL(74:9) | 1473.9801 | | | C18:2/C18:2/C18:2/C20:3; C18:2/C18:2/C18:1/C20:4; C18:1/C18:3/C18:2/C20:3; C18:1/C18:3/C18:1/C20:4; C18:1/C18:2/C18:2/C20:4 | |
| CL(76:11) | 1497.9801 | | | C18:2/C18:2/C18:2/C22:5; | |