

**7-methoxycoumarin**

Supplementary data 1

Supplementary data 2

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| --- | --- | --- | --- | --- | --- |
| Tr | m/z | EC | ppm | DBE | Fragments (m/z, EC, DBE) |
| 2.16 | 463.1452927.2968 [2M-H]- | C19H27O13C38H55O26 | -0.6 | 8.5 |  |
| 2.32 | 233.1022 | C10H17O6 | -1.3 | 2.5 |  |
| 2.41 | 241.0707 | C11H13O6 | -2.1 | 5.5 |  |
| 2.52 | 447.1500493.1559 [M-H+HCOOH]- | C19H27O12C20H29O14 | -0.70.4 | 6.56.5 |  |
| 2.91 | 477.1604523.1663 [M-H+HCOOH]- | C20H29O13C21H31O15 | -0.80 | 6.56.5 |  |
| 3.07 | 461.1653507.1708 [M-H+HCOOH]- | C20H29O12C21H31O14 | 1.3-1.2 | 6.56.5 | 329.1219, C15H21O8, 5.5271.0808, C12H15O7, 5.5161.0444, C6H9O5, 2.5 |
| 3.50 | 517.2291563.2346 [M-H+HCOOH]- | C24H37O12C25H39O14 | 1.11.2 | 6.56.5 | 387.2017, C19H31O8, 4.5 |
| 3.34 | 491.1759537.1820 [M-H+HCOOH]- | C21H31O13C22H33O15 | -1.20.2 | 6.56.5 | 359.1330, C16H23O9, 5.5 |
| 3.46 | 549.2914595.2975 [M-H+HCOOH]- | C26H45O12C27H47O14 | 1.21.5 | 4.54.5 | 417.2460, C21H37O8, 3.5 |
| 3.55 | 211.0607 | C10H11O5 | 0.5 | 5.5 | 193.0496, C10H9O4, 6.5165.0552, C9H9O3, 5.5149.0600, C9H9O2, 5.5 |
| 3.75 | 713.1927 | C31H37O19 | -0.3 | 13.5 | 567.1350, C25H27O15, 12.5545.2609, C22H41O15, 2.5399.0917, C17H19O11, 8.5 |
| 4.34 | 263.0919 | C14H15O5 | 0 | 7.5 | 175.0394, C10H7O3, 7.5147.0447, C9H7O2, 6.5 |
| 4.57 | 265.1074 | C14H17O5 | -0.2 | 6.5 | 221.1174, C13H17O3, 5.5163.0753, C10H11O2, 4.5 |
| 4.73 | 269.1024 | C13H17O6 | -0.4 | 5.5 | 195.0650, C10H11O4, 5.5151.0753, C9H11O2, 4.5 |
| 4.88 | 387.1076775.2242 [2M-H]- | C20H19O8C40H39O16 | -0.4-3.1 | 11.512.5 | 369.0969, C20H17O7, 12.5325.1072, C19H15O5, 11.5 |
| 5.75 | 531.2808577.2866 [M-H+HCOOH]- | C26H43O11 C27H45O13 | 0.81 | 5.55.5 | 399.2375, C21H35O7, 4.5167.0341, C8H7O4, 5.5 |
| 6.66 | 369.0970739.2011 [2M-H]- | C20H17O7C40H35O14 | -1.1 | 12.5 | 325.1076, C19H17O5, 11.5271.0964, C16H15O4, 9.5 189.0549, C11H9O3, 7.5149.0602, C9H9O2, 5.5 |
| 6.78 | 401.1238 | C21H21O8 | 0.5 | 11.5 | 369.0971, C20H17O7, 12.5189.0549, C11H9O3, 7.5149.0602, C9H9O2, 5.5 |
| 8.28 | 383.1130207.0654 (maj) | C21H19O7C11H11O4 | -0.3-1.4 | 12.56.5 | 175.0387, C10H7O3, 7.5161.0238, C9H5O3, 7.5147.0439, C9H7O2, 6.5 |
| 8.50 | 611.3797 | C33H55O10 | 0 | 6.5 | 453.2492, C24H37O8, 6.5391.2491, C23H35O5, 6.5329.2332, C18H33O5, 2.5303.1965, C19H27O3, 6.5 |
| 17.74 | 281.2848327.2900 [M-H+HCOOH]- | C19H37O C20H39O3 | 0.30.2 | 1.51.5 |  |
| 18.29 | 295.2996341.3052 [M-H+HCOOH]- | C20H39OC21H41O3 | 0.2-0.9 | 1.51.5 |  |