|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Compound name | Samples | | Standards | | Calculated | |
| Retention time (min) | Exact mass  (*m*/*z* M+H]+) | Retention time (min) | Exact mass  (*m*/*z* [M+H]+) | Molecular formula  [M+H]+ | Calculated exact mass  (*m*/*z* [M+H]+) |
| Gliotoxin | 3.25 | 327.0459 | 3.26 | 327.0463 | C13H15N2O4S2+ | 327.0468 |
| Bisdethiobis(methylthio) gliotoxin | 3.33 | 357.0929 | 3.38 | 357.0934 | C15H21N2O4S2+ | 357.0937 |
| Fumitremorgin A | 6.51 | 580.2998 | 6.57 | 580.3012 | C32H42N3O7+ | 580.3017 |
| Fumitremorgin B | 5.68 | 480.2477 | 5.74 | 480.2492 | C27H34N3O5+ | 480.2493 |
| Verruculogen | 5.18 | 512.2376 | 5.19 | 512.2391 | C27H34N3O7+ | 512.2391 |
| Fumagillin\* | - | - | 5.47 | 459.2375 | C26H35O7+ | 459.2377 |
| Pseurotin A\* | - | - | 3.24 | 432.1652 | C22H26NO8+ | 432.1653 |
| Trypacidin\* | - | - | 4.25 | 345.0968 | C18H17O7+ | 345.0969 |
| Hexadehydroastechrome monomer | 7.49 | 352.1648 | 7.53 | 352.1661 | C20H22N3O3+ | 352.1656 |

\* Fumagillin, pseurotin A and trypacidin were not found in any of the extracts.

The fungal extracts were analyzed individually by UPLC-HRESI-MS utilizing a Thermo LTQ Orbitrap XL mass spectrometer equipped with an electrospray ionization source. A Waters Acquity UPLC was utilized with a BEH C18 column (1.7 μm; 50 mm × 2.1 mm) set to 40°C and a flow rate of 0.3 mL/min. The mobile phase consisted of a linear gradient of CH3CN−H2O (both acidified with 0.1% formic acid), starting at 15% CH3CN and increasing linearly to 100% CH3CN over 8 min, with a 1.5 min hold before returning to the starting conditions.