**Figure S2.** Birch bark extract (TTs) composition, according to UHPLC-ESI+-MS analysis

A graph of a graph of a graph

Description automatically generated with medium confidence Total Ion Chromatogram

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Compound | Rt(min) | Precursor [M+H] | [M+H-H2O] | Other fragments |
| Erithrodiol (E) | 9.38 | 443.3000 | **425.1900** |  |
| Betulin (B) | 9.90 | 443.3066 | **425.3495** |  |
| Betulinic acid (AB) | 10.10 | **457.3238** | 439.3279 |  |
| Lupeol (L) | 10.60 | 427.2653 | **409.2081** | **381.2760** |

MS Spectrum View

E (Rt= 9.4 min)



B (Rt= 9.9 min) in TTs and comparative with a pure standard



Betulin in TTs Betulin -pure standard

AB (Rt= 10.1 min) in TTs and comparative with a pure standard



Betulinic acid in TTs Betulinic acid -pure standard

L(Rt= 10.6 min) in TTs

