

1 **Supplementary Table 1. Analytical conditions used for MS and MS/MS analysis.**

Source	ESI
Ion polarity	Positive
Mass range (<i>m/z</i>)	50-800
End plate offset (V)	500
Capillary (V)	4500
Nebulizer (Bar)	1.6
Dry gas (L/min)	6.0
Dry temp (°C)	180
Funnel 1 RF (Vpp)	300.0
Funnel 2 RF (Vpp)	400.0
icCID energy (eV)	0.0
Hexapole RF (Vpp)	400.0
Ion energy (eV)	5.0
Low mass (<i>m/z</i>)	300.00
Collision energy (eV)	10.0
Collision RF (Vpp)	400.0
Transfert time (μs)	150.0
Pre pulse storage (μs)	5.0

2 ESI, electrospray ionization; RF, radio frequency; isCID, in-source collision induced

3 dissociation.