

Table EV5. Agilent 6490 triple quadrupole instrument settings used in this study

Source parameters	
Ion Mode	positive
Gas temperature	110 °C
Gas flow	19 L/min
Nebuliser	25 psi
Sheath gas temperature	375 °C
Sheath gas flow	11 L/min
Capillary voltage	3000 V
Nozzle voltage	0 V
iFunnel parameters	
High pressure RF	70 V
Low pressure RF	80 V

To avoid the fragmentation of nucleosides at the source the *Fragmentor* voltage was decreased to 300 V