

## Electronic Supplementary Information

# Fast and sensitive determination of sulfur dioxide in herbal medicines by microchip-based field asymmetric-wave ion mobility spectrometry

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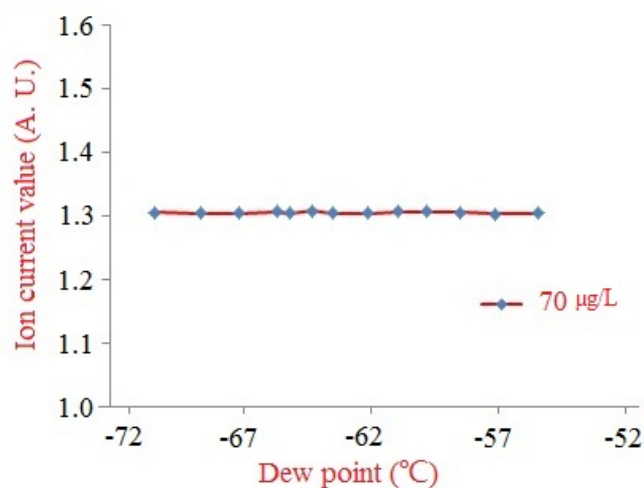
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Figure S1 The relationship between the ion current value and dew point of the scrubbed air.

Figure S1



The detected signal of  $70 \mu\text{g/L } \text{SO}_2$  from a standard solution is constant when the dew point of the scrubbed air flow was changed from  $-70 \text{ }^\circ\text{C}$  to  $-55 \text{ }^\circ\text{C}$  and the dew point of the total flow was raised to around  $-40 \text{ }^\circ\text{C}$ , which was measured in between the membrane filter and the FAIMS instrument shown in Fig. 2.