

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

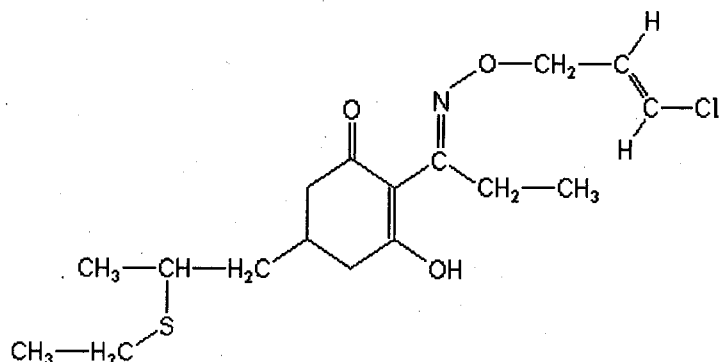
### Analyte: Clethodim

CAS No.: 99129-21-2

Formula: C<sub>17</sub>H<sub>26</sub>ClNO<sub>3</sub>S

Molecular mass (lowest isotopes): 359,13 amu

Structure:



Ionisation: ESI +

Quasimolecular ion: 360,1 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	360,1 → 268,2	360,1 → 164,0
Declustering potential (DP) <sup>*)</sup>	44 V	44 V
Focusing potential (FP)	360 V	340 V
Entrance potential (EP)	8,5 V	10,5 V
Collision cell entrance potential (CEP)	22 V	22 V
Collision energy (CE)	17 V	25 V
Collision cell exit potential (CXP)	14 V	8 V

<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation

