

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

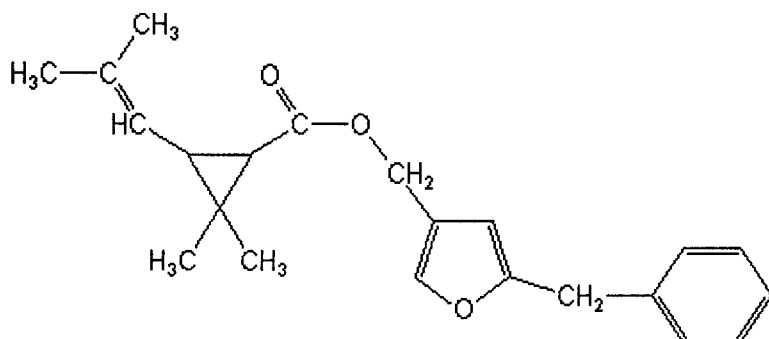
Analyte: Resmethrin

CAS No.: 10453-86-8

Formula: C₂₂H₂₆O₃

Molecular mass (lowest isotopes): 338,19 amu

Structure:



Ionisation: ESI +

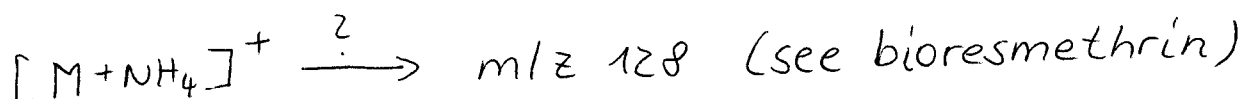
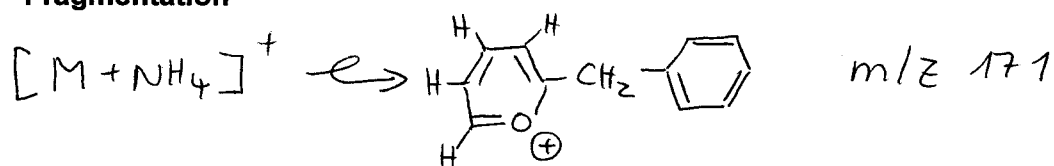
Quasimolecular ion: 356,2 amu = [M+NH₄]⁺

Analyte sensitive parameter set (API 2000)

Transition	356,2 → 171,2	356,2 → 128,1
Declustering potential (DP) ^{*)}	21V	21 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	10,5 V	10,5 V
Collision cell entrance potential (CEP)	22 V	24 V
Collision energy (CE)	21 V	57 V
Collision cell exit potential (CXP)	8 V	6 V

^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20050712141908.wiff (Turbo Spray)

Max. 3.2e8 cps

12.07.2005
Resmethrin Q1 scan
[M+NH₄]⁺ 356
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min

