

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

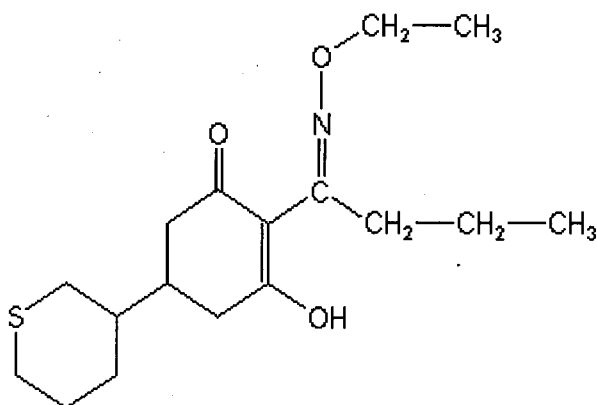
Analyte: Cycloxydim

CAS No.: 101205-02-1

Formula: C₁₇H₂₇NO₃S

Molecular mass (lowest isotopes): 325,17 amu

Structure:



Ionisation: ESI -

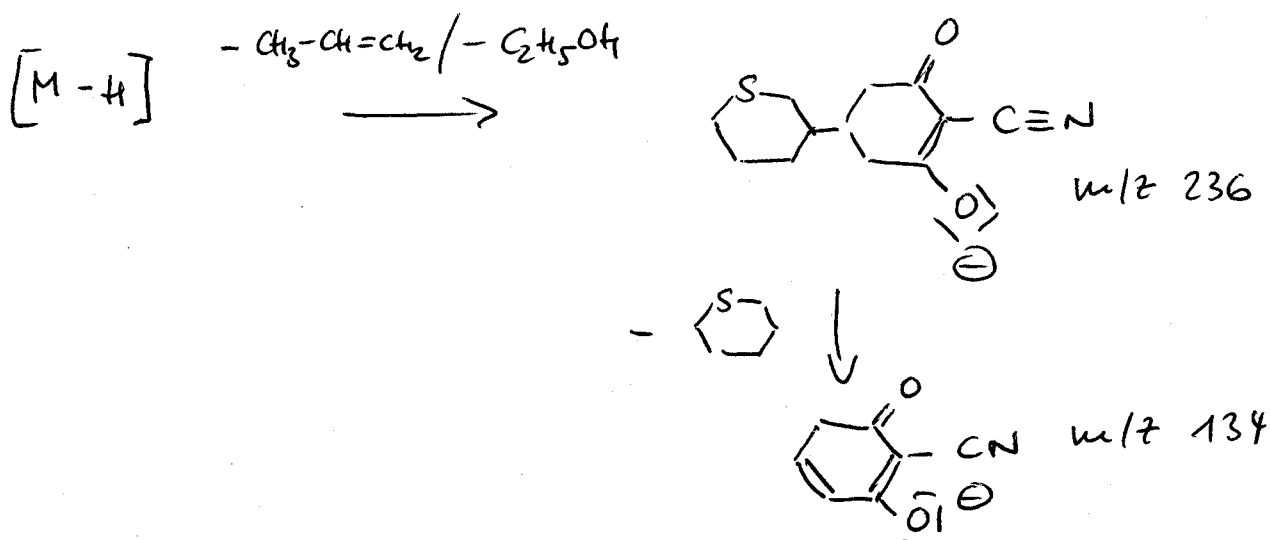
Quasimolecular ion: 324,2 amu = [M-H]⁻

Analyte sensitive parameter set (API 2000)

Transition	324,2 → 235,9	324,2 → 133,8
Declustering potential (DP) ^{*)}	-61V	-61 V
Focusing potential (FP)	-290 V	-290 V
Entrance potential (EP)	-9,5 V	-9,5 V
Collision cell entrance potential (CEP)	-32 V	-32 V
Collision energy (CE)	-68 V	-68 V
Collision cell exit potential (CXP)	-24 V	-24 V

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

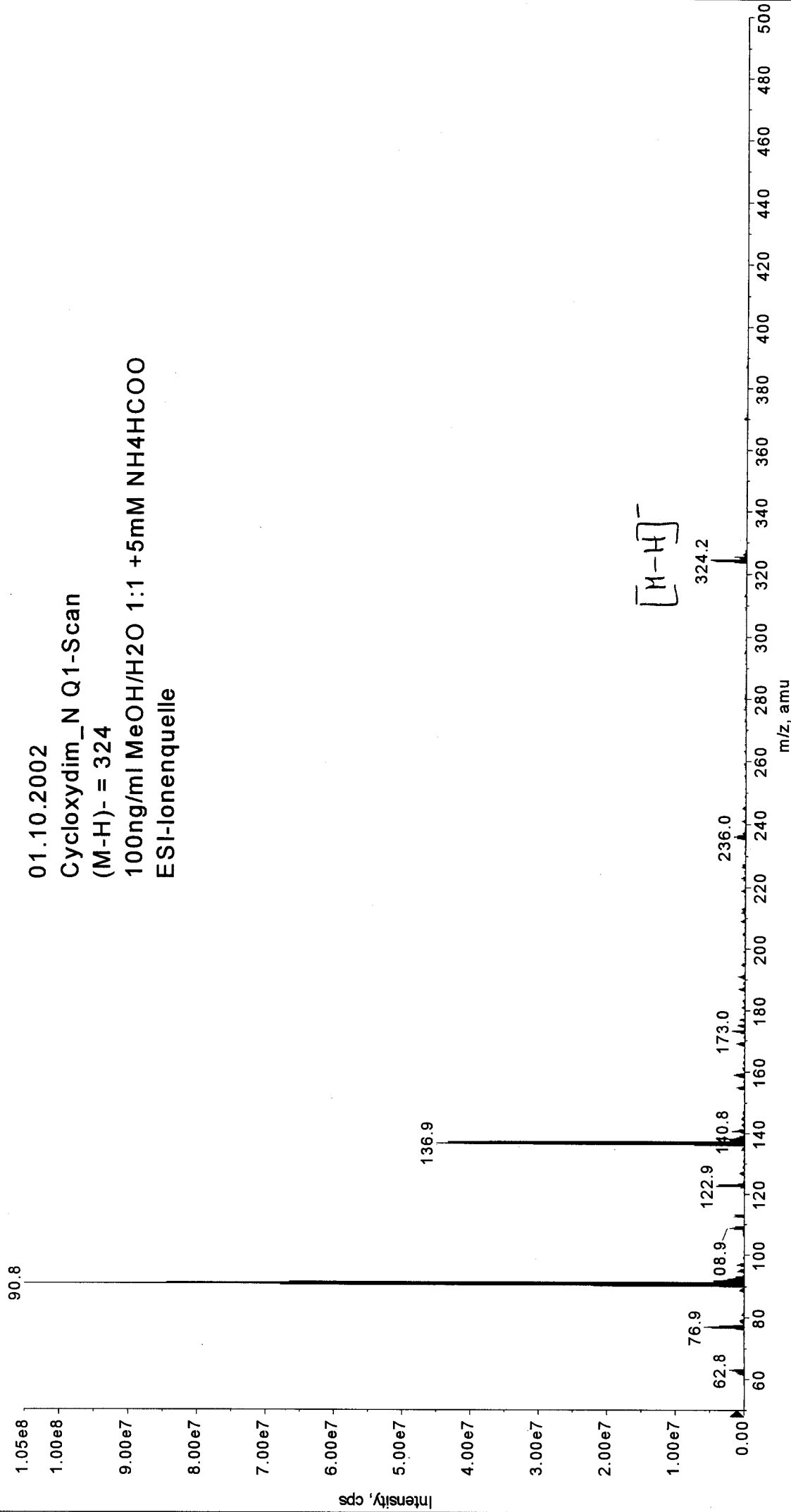
Fragmentation



■ -Q1: 30 MCA scans from MT20021001105700.wiff

Max. 1.1e8 cps

01.10.2002
Cycloxydim_N Q1-Scan
(M-H)⁻ = 324
100ng/ml MeOH/H₂O 1:1 +5mM NH₄HCOO
ESI-Ionenquelle



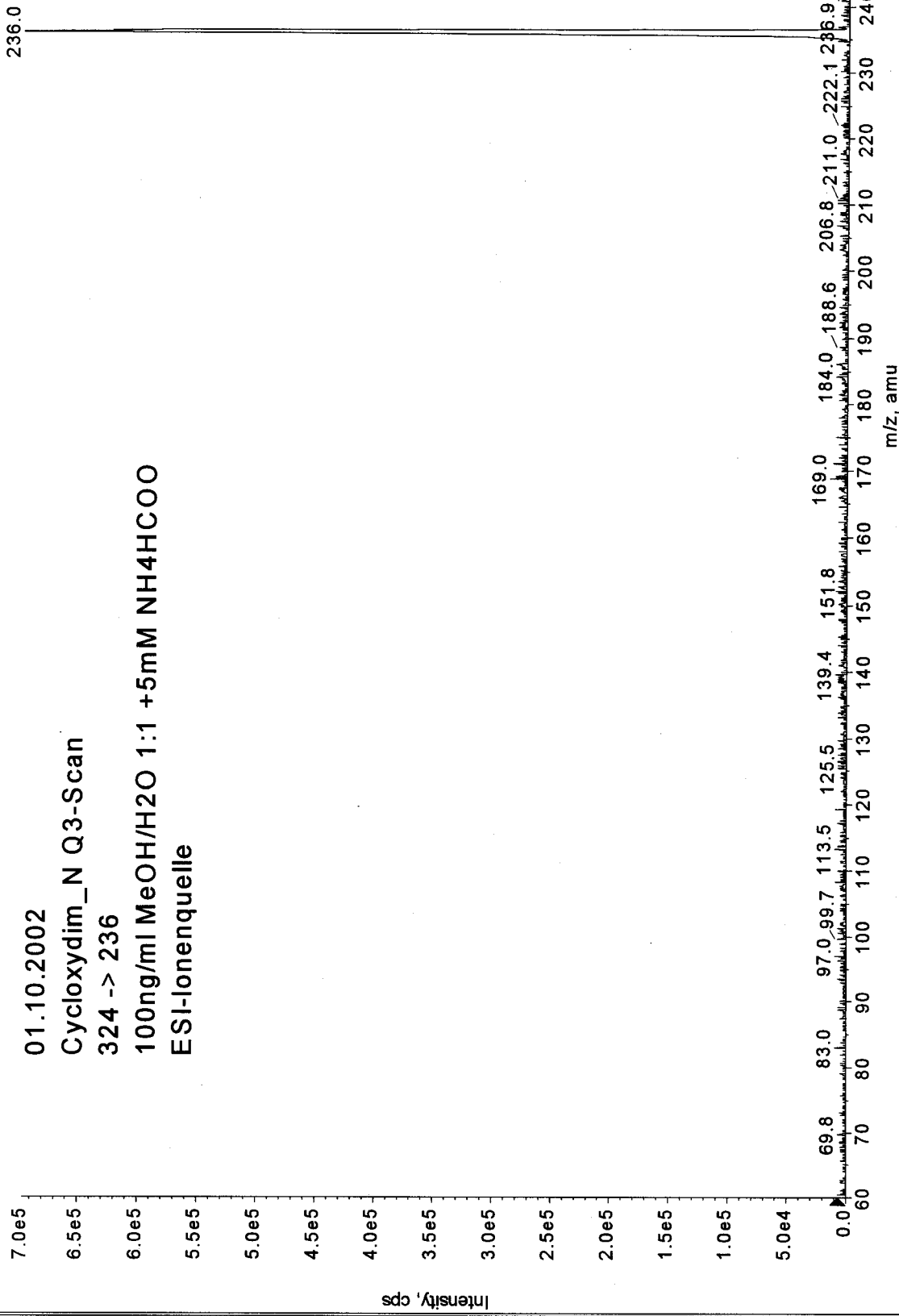
Printing Date: 01 October 2002
Printing Time: 11:01:58

Acq. Date: Tuesday, October 01, 2002
Acq. Time: 11:00
Acq. File: MT20021001110046.wiff

Sample Comment:
Sample Name:
Batch Name: N/A

-Product (324.0): 30 MCA scans from MT20021001110046.wiff

Max. 7.0e5 cps



-Product (324.0): 30 MCA scans from MT20021001111822.wiff

Max. 1.5e5 cps

