

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

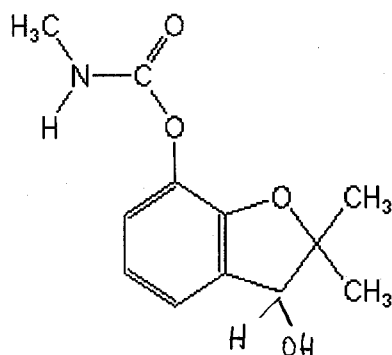
Analyte: 3-Hydroxycarbofuran

CAS No.: 16655-82-6

Formula: C₁₂H₁₅NO₄

Molecular mass (lowest isotopes): 237,10 amu

Structure:



Ionisation: ESI +

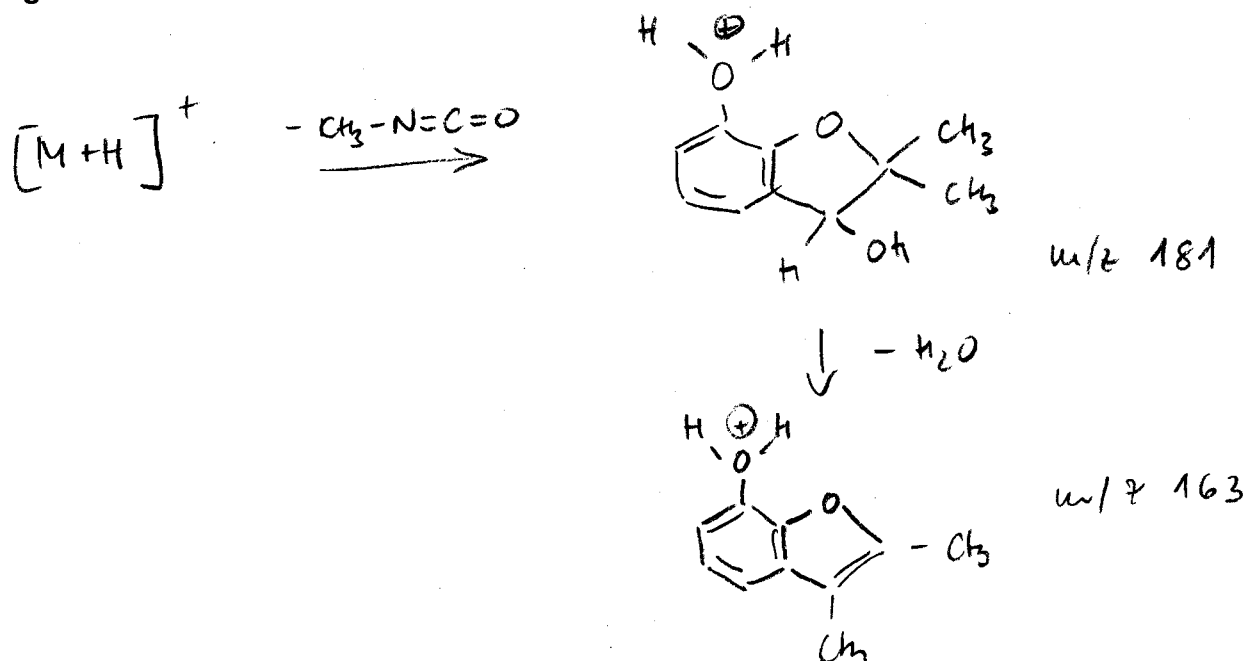
Quasimolecular ion: 238,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	238,1 → 181,1	238,1 → 163,1
Declustering potential (DP) ^{*)}	19 V	19 V
Focusing potential (FP)	350 V	360 V
Entrance potential (EP)	12,0 V	9,5 V
Collision cell entrance potential (CEP)	26 V	20 V
Collision energy (CE)	15 V	19 V
Collision cell exit potential (CXP)	8 V	8 V

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

Fragmentation



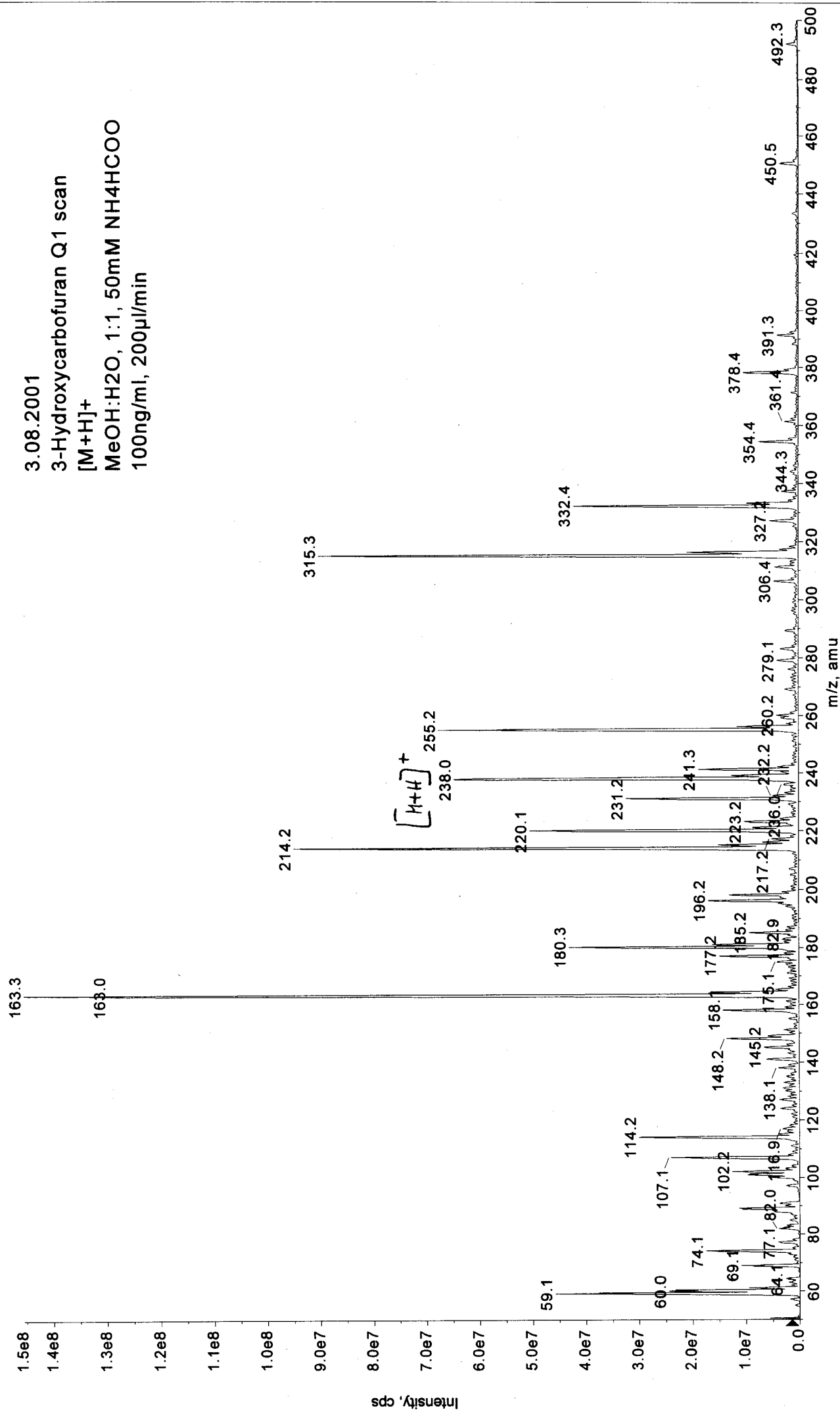
3.08.2001

3-Hydroxycarbofuran Q1 scan

[M+H]⁺

MeOH:H₂O, 1:1, 50mM NH₄HCOO

100ng/ml, 200μl/min



3.08.2001
3Hydroxycarbofuran181 Q3 scan 238 -> 181
[M+H]⁺
! curtain gas 30 !
(Wahrscheinlich nicht!)

