

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

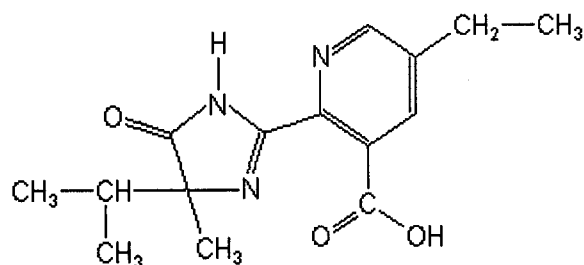
Analyte: Imazethapyr

CAS No.: 81335-77-5

Formula: C₁₅H₁₉N₃O₃

Molecular mass (lowest isotopes): 289,14 amu

Structure:



Ionisation: ESI +

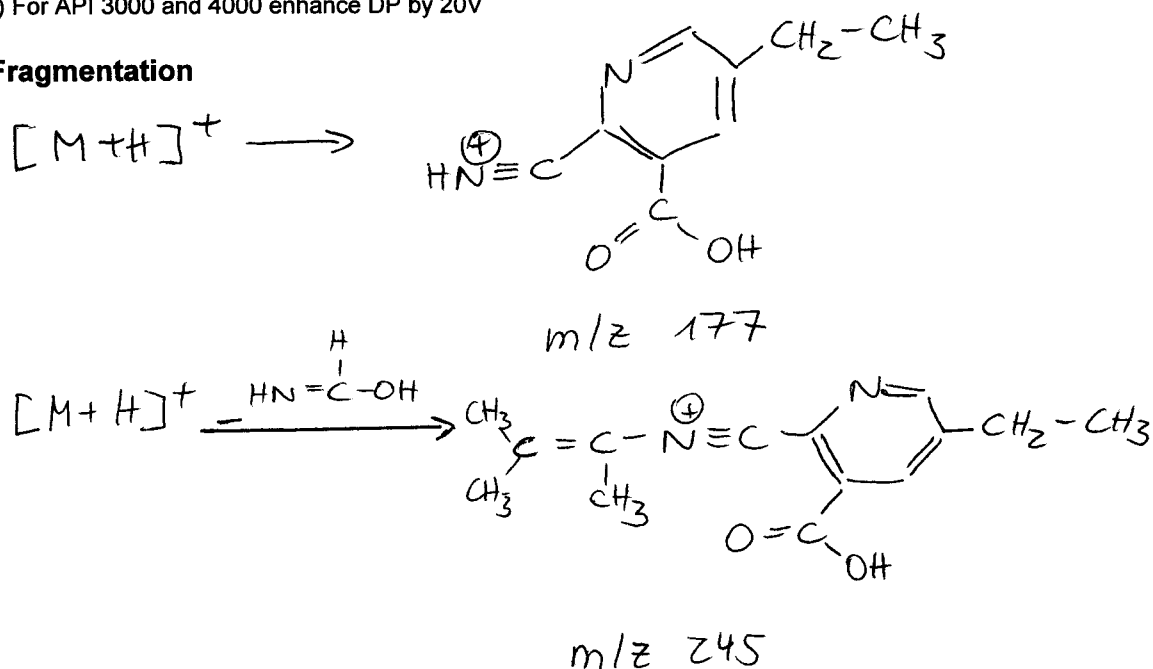
Quasimolecular ion: 290,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	290,1 → 177,2	290,1 → 245,3
Declustering potential (DP) ^{*)}	51 V	51 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	10,5 V	10,5 V
Collision cell entrance potential (CEP)	20 V	18 V
Collision energy (CE)	37 V	27 V
Collision cell exit potential (CXP)	10 V	12 V

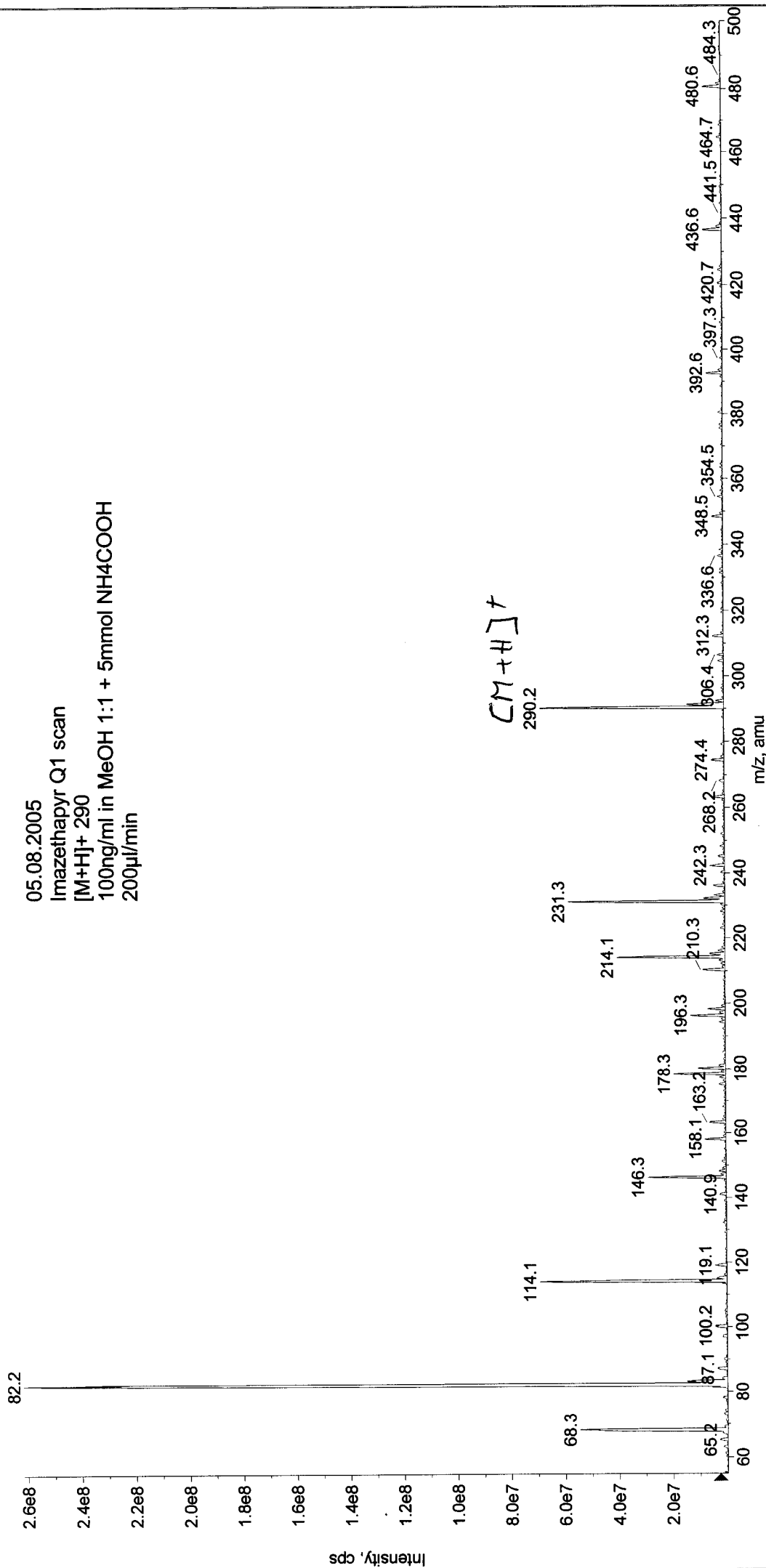
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20050805120539.wiff (Turbo Spray) Max. 2.6e8 cps

05.08.2005
Imazethapyr Q1 scan
[M+H]⁺ 290
100ng/ml in MeOH 1:1 + 5mmol NH₄COOH
200µl/min



Printing Time: 13:05:39
Printing Date: Friday, August 05, 2005

Acq. Time: 13:04
Acq. Date: Friday, August 05, 2005
Acq. File: MT20050805130421.wiff

Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat

