

MS/MS Parameters of Pesticides

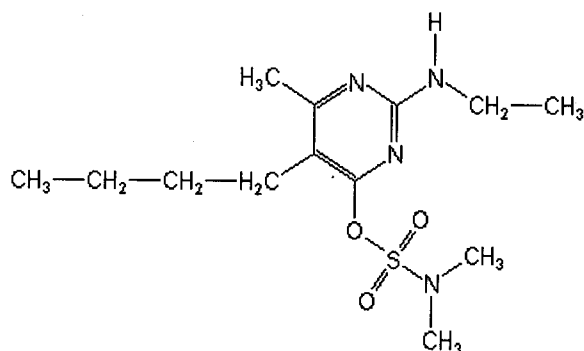
Analyte: Bupirimate

CAS No.: 41483-43-6

Formula: C₁₃H₂₄N₄O₃S

Molecular mass (lowest isotopes): 316,16 amu

Structure:



Ionisation: ESI +

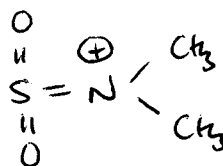
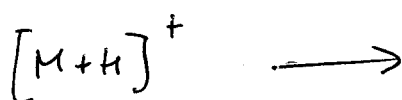
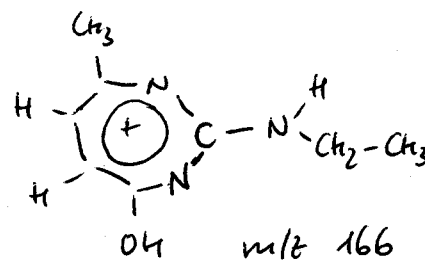
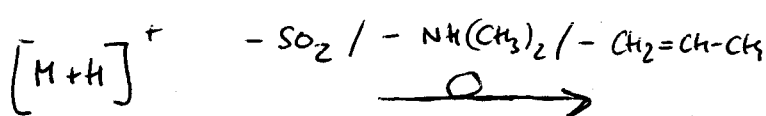
Quasimolecular ion: 317,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	317,1 → 166,1	317,1 → 108,1
Declustering potential (DP) ^{*)}	31 V	31 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	10,5 V	11,0 V
Collision cell entrance potential (CEP)	20 V	22 V
Collision energy (CE)	33 V	35 V
Collision cell exit potential (CXP)	8 V	6 V

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

Fragmentation



m/z 108

+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040610133652.wiff (Turbo Spray)

Max 4.7e7 cps

10.06.04
Bupirimate Q1 scan
[M+H]⁺ = 317
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min

