

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

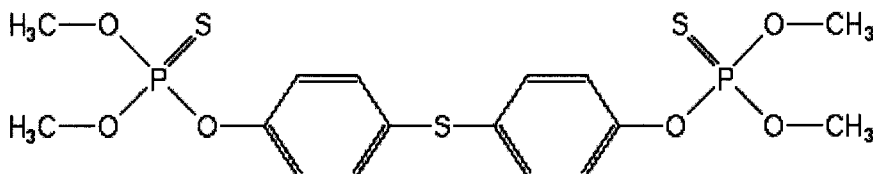
Analyte: Temephos

CAS No.: 3383-96-8

Formula: C₁₆H₂₀O₆P₂S₃

Molecular mass (lowest isotopes): 465,99 amu

Structure:



Ionisation: ESI +

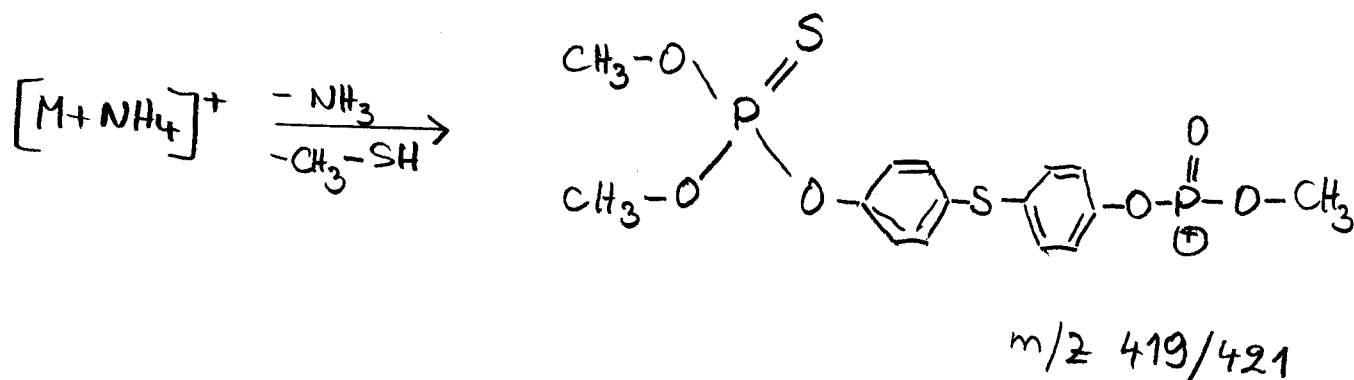
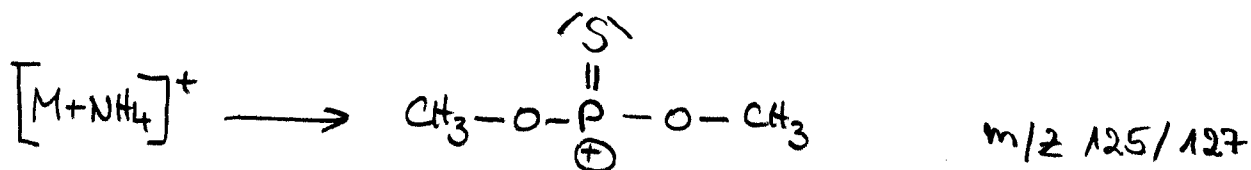
Quasimolecular ion: 484,0 amu = [M+NH₄]⁺

Analyte sensitive parameter set (API 2000)

Transition	484,0 → 125,0	484,0 → 419,0
Declustering potential (DP)*)	11 V	11 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	8,5 V	11,5 V
Collision cell entrance potential (CEP)	22 V	20 V
Collision energy (CE)	49 V	29 V
Collision cell exit potential (CXP)	6 V	24 V

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

Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20060822084352.wiff (Turbo Spray)

Max. 3.3e8 cps



■ +MS2 (484.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20060822084626.wiff (Turbo Spray)

Max. 1.5e6 cps

