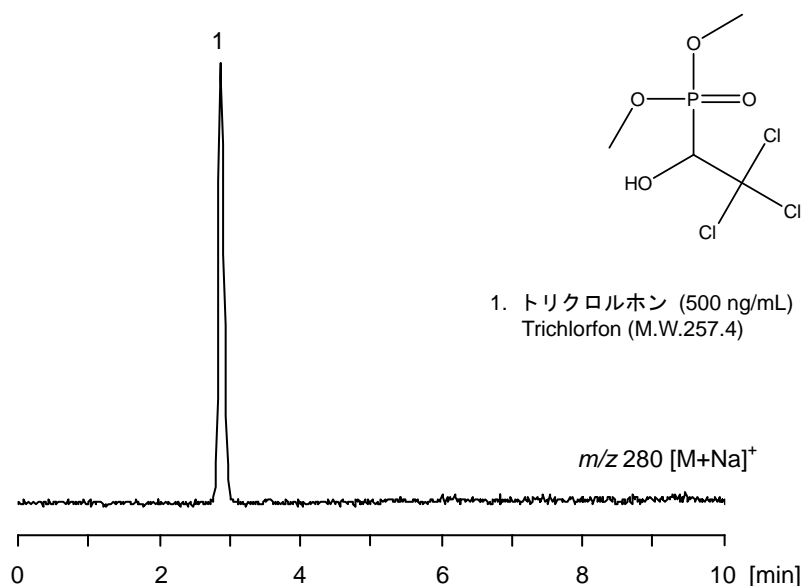


トリクロルホン

Trichlorfon

トリクロルホンは、コリンエステラーゼ阻害作用をもつ有機リン系農薬です。農作物などの殺虫剤や動物医薬品として家畜や魚類の外部寄生虫駆除に用いられています。ここでは、CAPCELL PAK C₁₈ AQ S3 (2.0 mm i.d. x 50 mm) を用いた LC-MS の例を紹介します。

Trichlorfon is one of the organophosphorus pesticides, functioning as a cholinesterase inhibitor. The compound is used as a pesticide for agricultural products, and also, an animal drug exterminating parasites of livestock and fish. The chromatogram below was obtained with CAPCELL PAK C₁₈ AQ S3 (2.0 mm i.d. x 50 mm) under the LC-MS conditions.



【HPLC Conditions】

Column	: CAPCELL PAK C ₁₈ AQ S3 ; 2.0 mm i.d. x 50 mm
Mobile phase	: A) H ₂ O, B) CH ₃ OH B 30 % (0 min) → 60 % (6 min) → 60 % (8 min) → 30 % (8.1 min) Gradient
Flow rate	: 200 μL/min
Temperature	: 40 °C
Detection	: MS
Ionization	: ESI positive
Inj. vol.	: 2 μL
Sample dissolved in	: The standard was dissolved in CH ₃ CN at 1 mg/mL and diluted with 30% CH ₃ OH to 500 ng/mL. ※ 1 μg/mL = 1 ppm