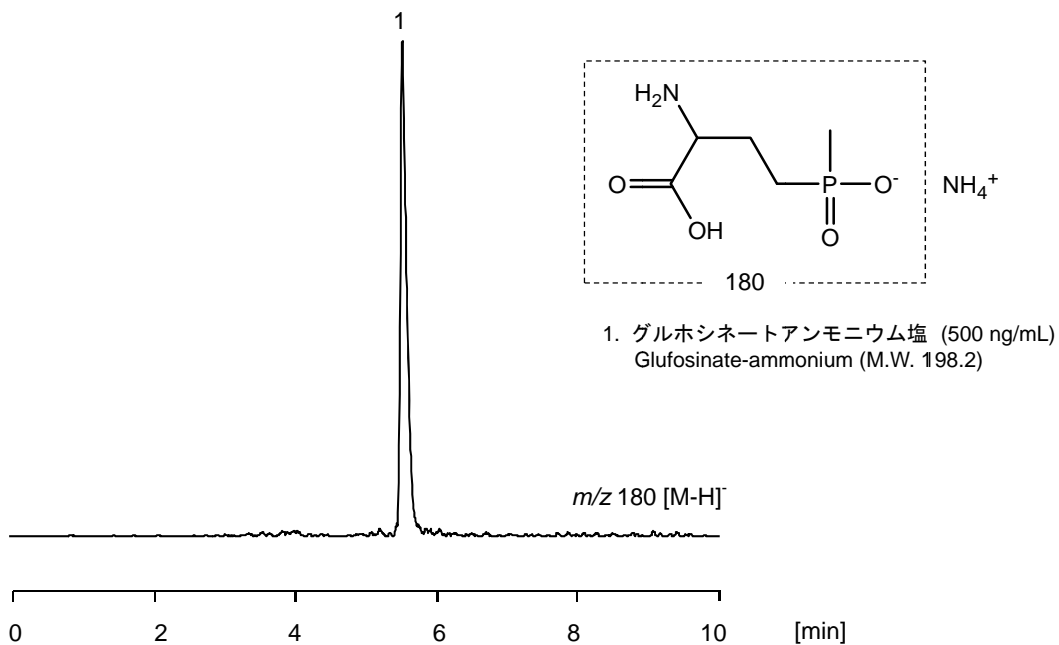


## グルホシネートアンモニウム塩

## Glufosinate-ammonium

グルホシネートアンモニウム塩はアミノ酸系除草剤です。本物質の高感度分析には誘導体化を必要とするのが一般的ですが、誘導体化を行わず、CAPCELL CORE PC S2.7 (2.1 mm i.d. x 150 mm) を用い、LC-MSにて直接分析した例を示します。

Glufosinate-ammonium is one of the amino acid-type herbicides. While the compound generally requires chemical derivatization for its high-sensitivity analysis, the following results were obtained without derivatization, with LC-MS using CAPCELL CORE PC S2.7 (2.1 mm i.d. x 150 mm).



### 【HPLC Conditions】

Column	: CAPCELL CORE PC S2.7 ; 2.1 mm i.d. x 150 mm
Mobile phase	: A) 100 mmol/L HCOONH <sub>4</sub> , B) CH <sub>3</sub> CN B 90 % (0 min) → 50 % (3 min) → 50 % (7 min) → 90 % (7.1 min) Gradient
Flow rate	: 300 μL/min
Temperature	: 40 °C
Detection	: MS
Ionization	: ESI Negative
Inj. vol.	: 5 μL
Sample dissolved in	: 50% CH <sub>3</sub> CN ※ 1 μg/mL = 1 ppm