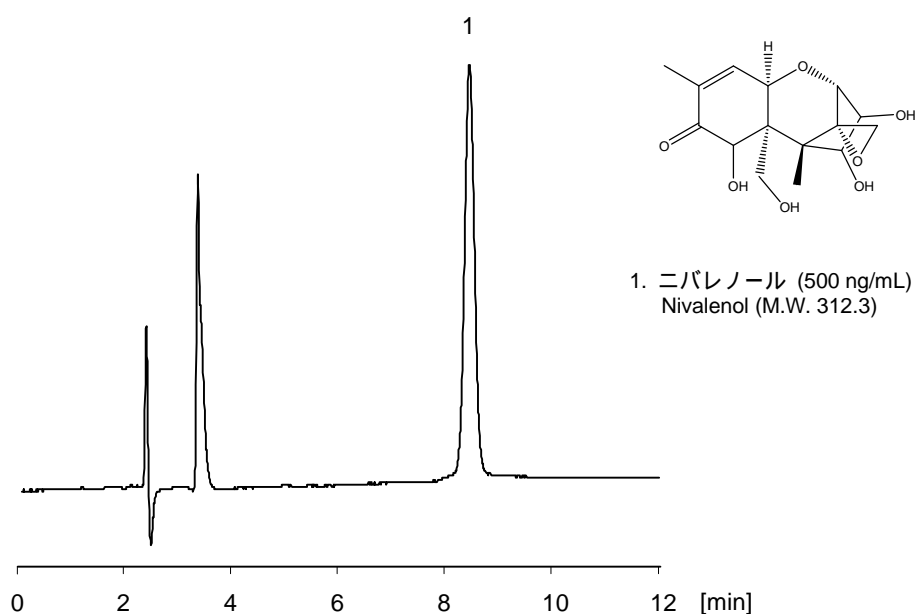


ニバレノール

Nivalenol

ニバレノールは、麦などの穀類に発生したカビが産生するトリコテセン系マイコトキシンのカビ毒です。ここでは CAPCELL PAK C₁₈ MGII S5 (2.0 mm i.d. x 250 mm) を用いた分析例を紹介します。

Nivalenol is one of the trichothecene mycotoxins secreted by molds in wheat and other grains. The following chromatogram was obtained with CAPCELL PAK C₁₈ MGII S5 (2.0 mm i.d. x 250 mm), where the compound was adequately retained, showing a nice peak shape.



【HPLC Conditions】

Column	: CAPCELL PAK C ₁₈ MGII S5 ; 2.0 mm i.d. x 250 mm
Mobile phase	: 5 mmol/L KH ₂ PO ₄ , 5 mmol/L Na ₂ HPO ₄ / CH ₃ CN = 95 / 5
Flow rate	: 200 μL/min
Temperature	: 40 °C
Detection	: PDA 220 nm
Inj. vol.	: 5 μL
Sample dissolved in	: H ₂ O
	1 μg/mL = 1 ppm