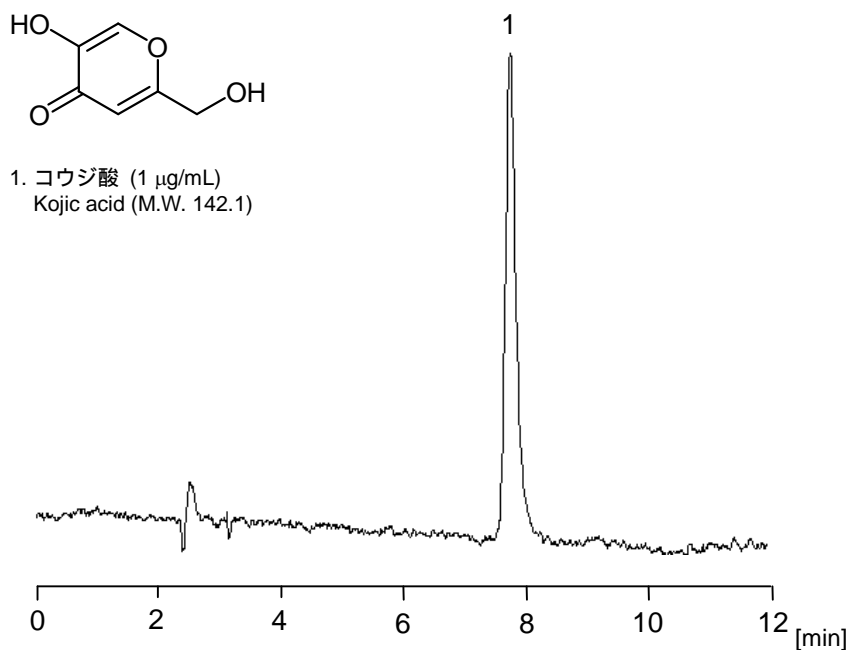


コウジ酸

Kojic acid

コウジ酸は、麹から発見された弱い抗菌作用を持つ化合物です。コウジ酸は金属イオンに対し配位性を示すため、CAPCELL PAK C₁₈ MG が推奨されます。CAPCELL PAK C₁₈ MG S5 (4.6 mm i.d. x 250 mm) では十分な保持と良好なピーク形状が得られました。

Kojic acid was originally found in malted rice. Since the compound easily forms a complex with metal ions, CAPCELL PAK C₁₈ MG columns are recommended. The chromatogram below was obtained with CAPCELL PAK C₁₈ MG S5 (4.6 mm i.d. x 250 mm), where the compound was adequately retained, showing a nice peak shape.



【HPLC Conditions】

Column	: CAPCELL PAK C ₁₈ MG S5 ; 4.6 mm i.d. x 250 mm
Mobile phase	: 20 mmol/L KH ₂ PO ₄ / CH ₃ OH = 95 / 5
Flow rate	: 1 mL/min
Temperature	: 35 °C
Detection	: PDA 273 nm
Inj. vol.	: 10 μL
Sample dissolved in	: Mobile phase
	1 μg/mL = 1 ppm