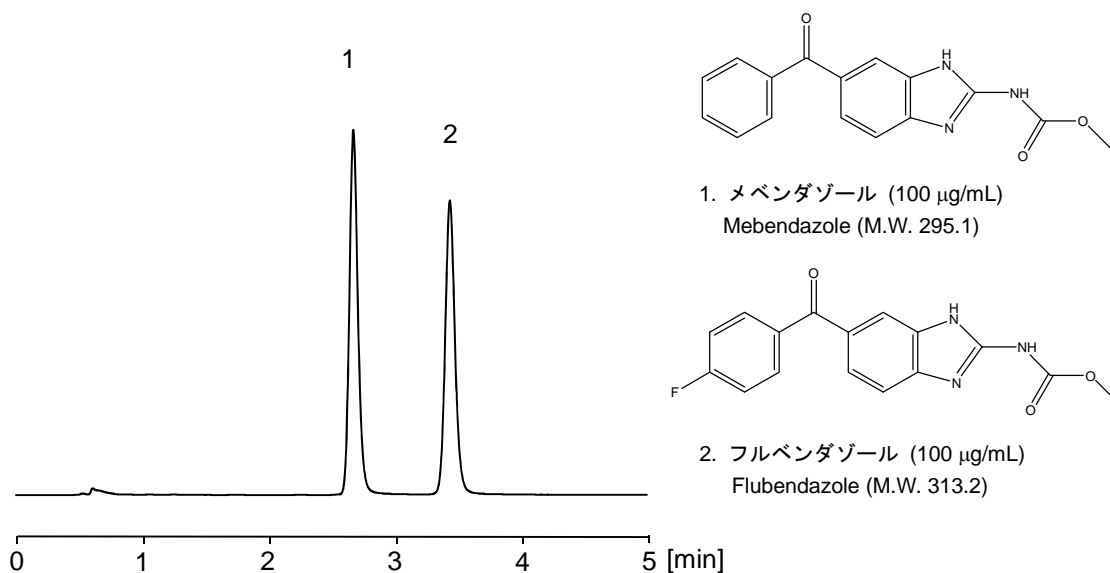


寄生虫駆除剤であるメベンダゾールとフルベンダゾールを CAPCELL CORE C<sub>18</sub> S2.7 (2.1 mm i.d. x 100 mm) を用い、短時間で分析した例を示します。これらの構造上の違いはフッ素原子の有無ですが、良好なピーク形状で分離が可能でした (圧力: 装置圧を含め 31 MPa)。

Shown here is a fast analysis of mebendazole and flubendazole of parasite pesticides using a CAPCELL CORE C<sub>18</sub> S2.7 (2.1 mm id x 100 mm). Even though the difference on their structures is just the presence of fluorine atom, it was possible to separate with a good peak shape (pressure: 31 MPa including the back pressures from system and column).



【HPLC Conditions】

Column	: CAPCELL CORE C <sub>18</sub> S2.7 ; 2.1 mm i.d. x 100 mm
Mobile phase	: 0.1 vol% HCOOH / CH <sub>3</sub> OH = 50 / 50
Flow rate	: 400 µL/min
Temperature	: 40 °C
Detection	: UV 290 nm
Inj. vol.	: 2 µL
Sample dissolved in	: Each compound was separately dissolved in N,N-dimethylformamide (DMF) at 1000 ppm, and then, diluted with the mobile phase.
	※ 1 µg/mL = 1 ppm