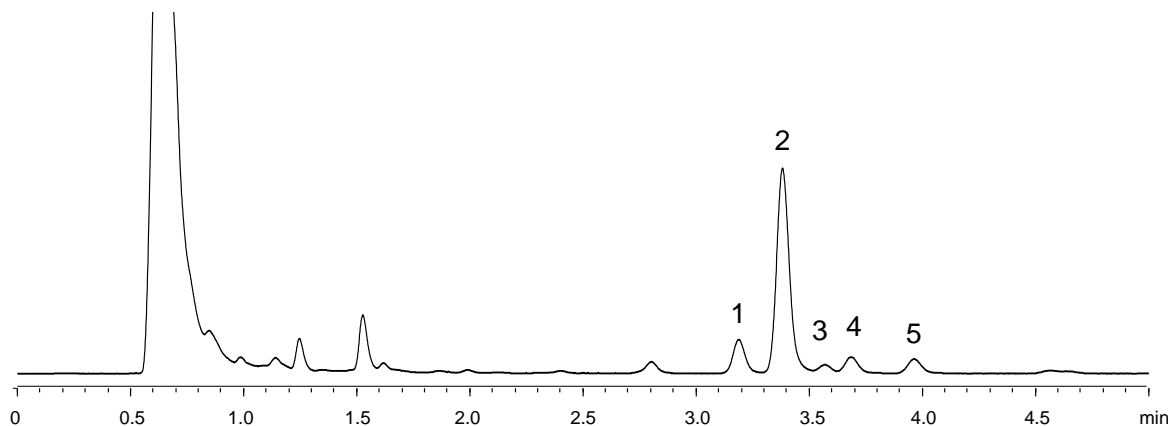
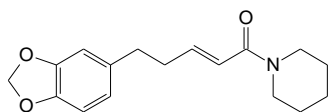


ヒハツ(ロングペッパー)抽出物中のピペリン類
Piperine and the derivatives in long pepper extract

U201005A

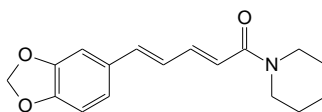


1.



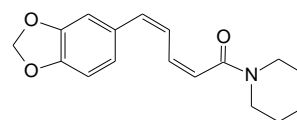
Piperanine

2.



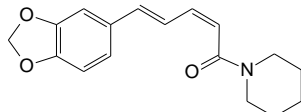
Piperine

3.



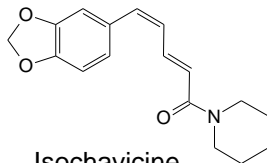
Chavicine

4.



Isopiperine

5.



Isochavicine

Courtesy of T. Mizumoto, MARUZEN PHARMACEUTICALS CO., LTD.

Column : Meteoric Core C18 (2.7 μ m, 8 nm)
100 X 4.6 mm I.D.
Eluent : A) acetonitrile/water/formic acid (450/550/1)
B) acetonitrile
0%B (0-5 min), 100%B (5.01-15 min), 0%B (15.01-25 min)
Flow rate : 1.4 mL/min
Temperature : 35°C
Detection : UV at 270 nm
Injection : 20 μ L
Sample : Long pepper extract powder

Reference:

T. Mizumoto, F. Nakano, Y. Nishizaki, N. Masumoto, N. Sugimoto,
Quantitative Analysis of Piperine and the Derivatives in Long Pepper Extract by HPLC Using Relative Molar Sensitivity,
Food Hygiene and Safety Science 60 (5) : 134-143 (2019)