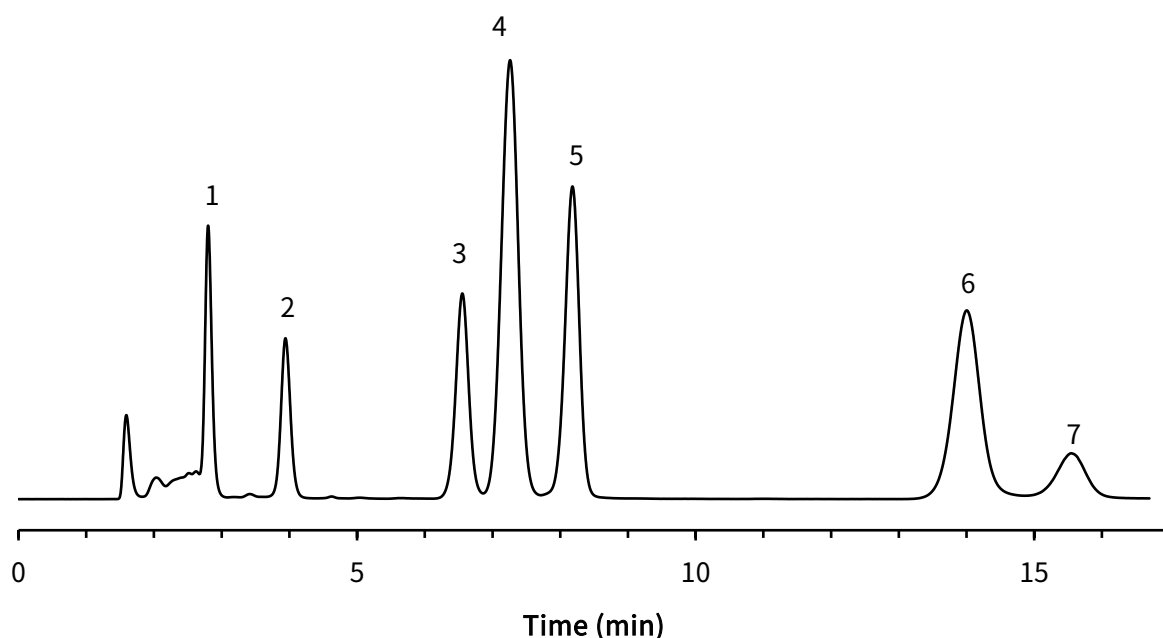


Analysis of thiols derivatized with 7-fluoro-2,1,3-benzoxadiazole-4-sulfonate (SBD-F)

Data No. LL024-0000

*The chromatogram was provided by Dr. Makoto Tsunoda,
Graduate School of Pharmaceutical Sciences, University of Tokyo,
7-3-1 Hongo, Bunkyo-ku, Tokyo 113-0033, Japan*



Conditions

Column : Inertsil Amide
(5 μ m, 150 x 3.0 mm I.D.)
Column Cat. No. : 5020-07815
Eluent : A) CH₃CN
B) 40 mM NH₄COOH (pH 3.0, HCOOH)
A/B = 75/25, v/v
Flow rate : 0.4 mL/min
Col. Temp. : 35 °C
Detection : FL Ex 375 nm Em 510 nm
Injection Vol. : 5 μ L
Sample : Standard solution derivatized by SBD-F

Analyte:

SBD-thiols;
1. *N*-(2-mercaptopropionyl)glycine (MPG) 0.1 μ M
2. *N*-Acetylcysteine (NAC) 0.5 μ M
3. Homocysteine (Hcy) 0.5 μ M
4. Cysteine (Cys) 5.0 μ M
5. Cysteinylglycine (CysGly) 0.5 μ M
6. Glutathione (GSH) 1.0 μ M
7. γ -Glutamylcysteine (γ -GluCys) 1.5 μ M