

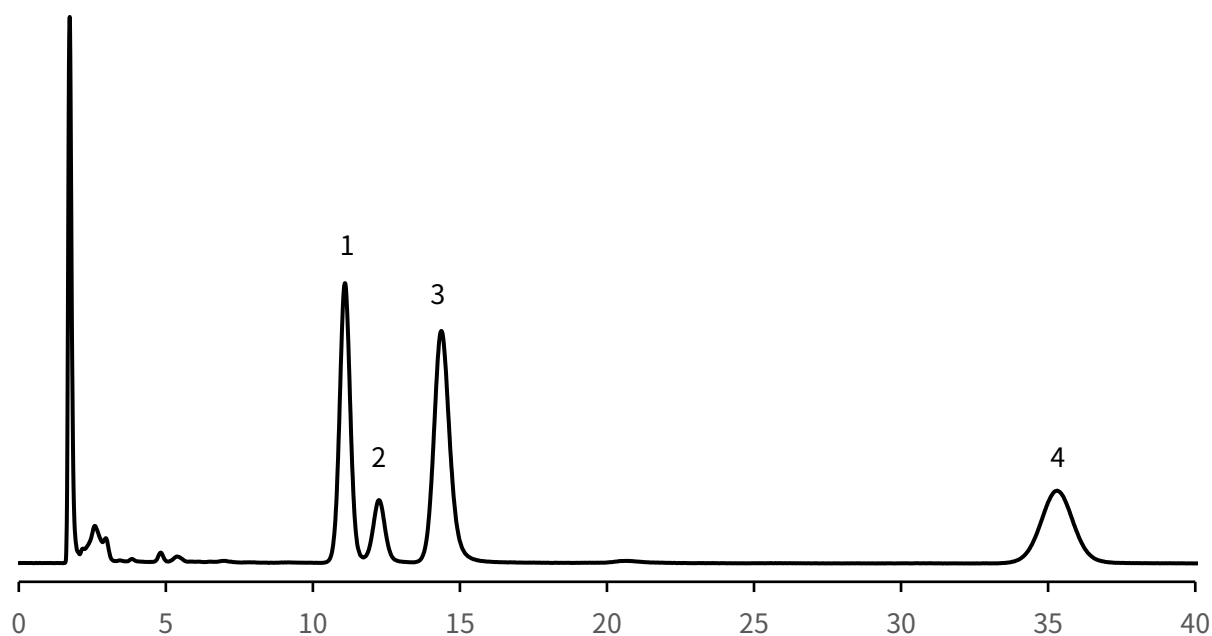
# InertSearch™ for LC

Inertsil® Applications

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

Data No. LL034-0000

*The chromatogram was provided by Dr. Makoto Tsunoda,  
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### Conditions

**Column** : InertSustain Amide  
(5  $\mu\text{m}$ , 150 x 3.0 mm I.D.)  
**Column Cat. No.** : 5020-88615  
**Eluent** : A)  $\text{CH}_3\text{CN}$   
B) 120 mM  $\text{HCOONH}_4$  in  $\text{H}_2\text{O}$  (pH 3.0,  $\text{HCOOH}$ )  
A/B = 81/19, v/v  
**Flow rate** : 0.4 mL/min  
**Col. Temp.** : 35  $^\circ\text{C}$   
**Detection** : FL Ex 375 nm Em 510 nm  
**Injection Vol.** : 5  $\mu\text{L}$   
**Sample** : Standard solution derivatized with SBD-F

### Analyte:

1. Homocysteine (Hcy)  
2. Cysteine (Cys)  
3. Cysteinylglycine (CysGly)  
4. Glutathione (GSH)  
(1  $\mu\text{mol/L}$  each)