

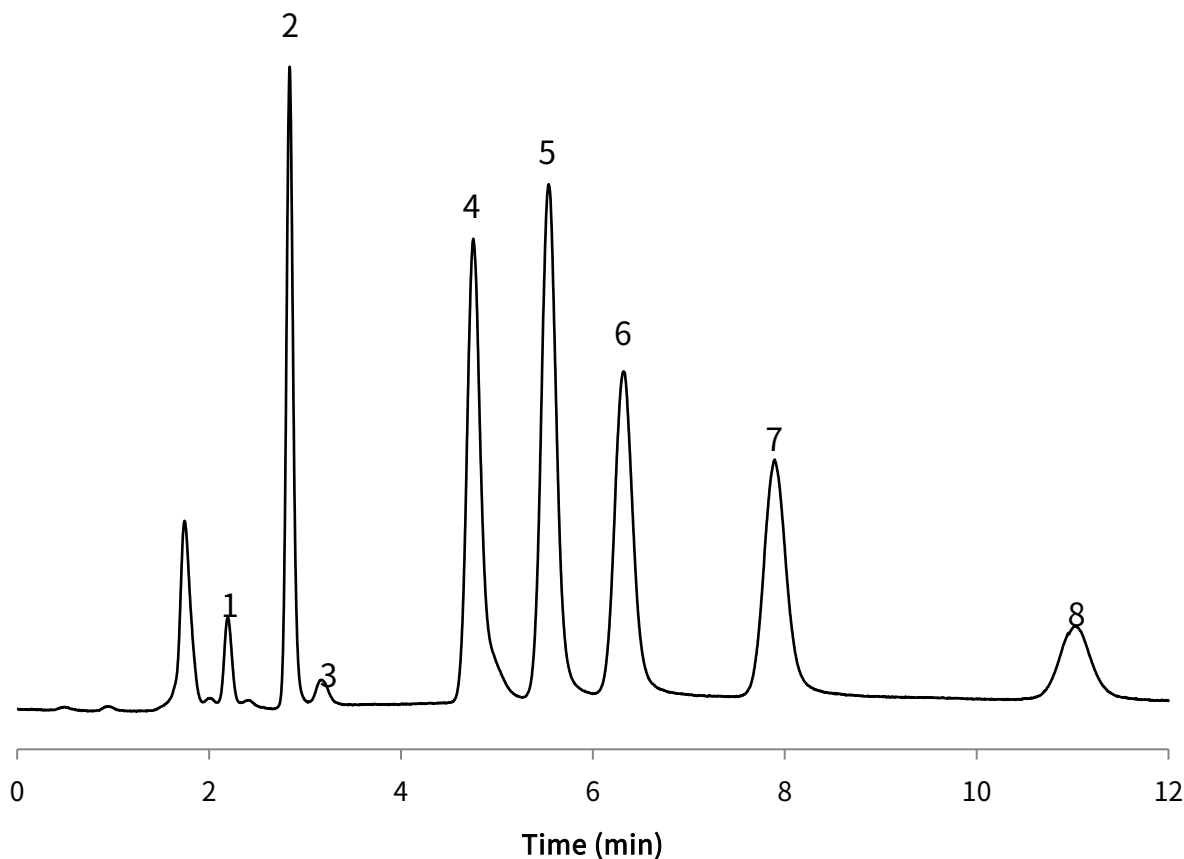
# InertSearch™ for LC

Inertsil® Applications

## Analysis of Catecholamines and their related compounds

Data No. LL026-0000

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

**Column** : Inertsil Amide  
(5  $\mu\text{m}$ , 150 x 3.0 mm I.D.)  
**Column Cat. No.** : 5020-07815  
**Eluent** : A)  $\text{CH}_3\text{CN}$   
B) 20 mM  $\text{NH}_4\text{COOH}$  in  $\text{H}_2\text{O}$  (pH 2.5,  $\text{HCOOH}$ )  
A/B = 80/20, v/v  
**Flow rate** : 0.4 mL/min  
**Col. Temp.** : 35  $^\circ\text{C}$   
**Detection** : FL Ex 280 nm Em 320 nm  
**Injection Vol.** : 5  $\mu\text{L}$   
**Sample** : Standard solution

### Analyte:

1. 3,4-Dihydroxyphenylacetic acid (DOPAC)  
2. 3,4-Dihydroxyphenylglycol (DHPG)  
3. 3,4-Dihydroxymandelic acid (DHMA)  
4. Deoxyepinephrine (N-MeDA)  
5. Dopamine (DA)  
6. Epinephrine (E)  
7. Norepinephrine (NE)  
8. 3,4-Dihydroxyphenylalanine (DOPA)  
(1  $\mu\text{mol/L}$  each)