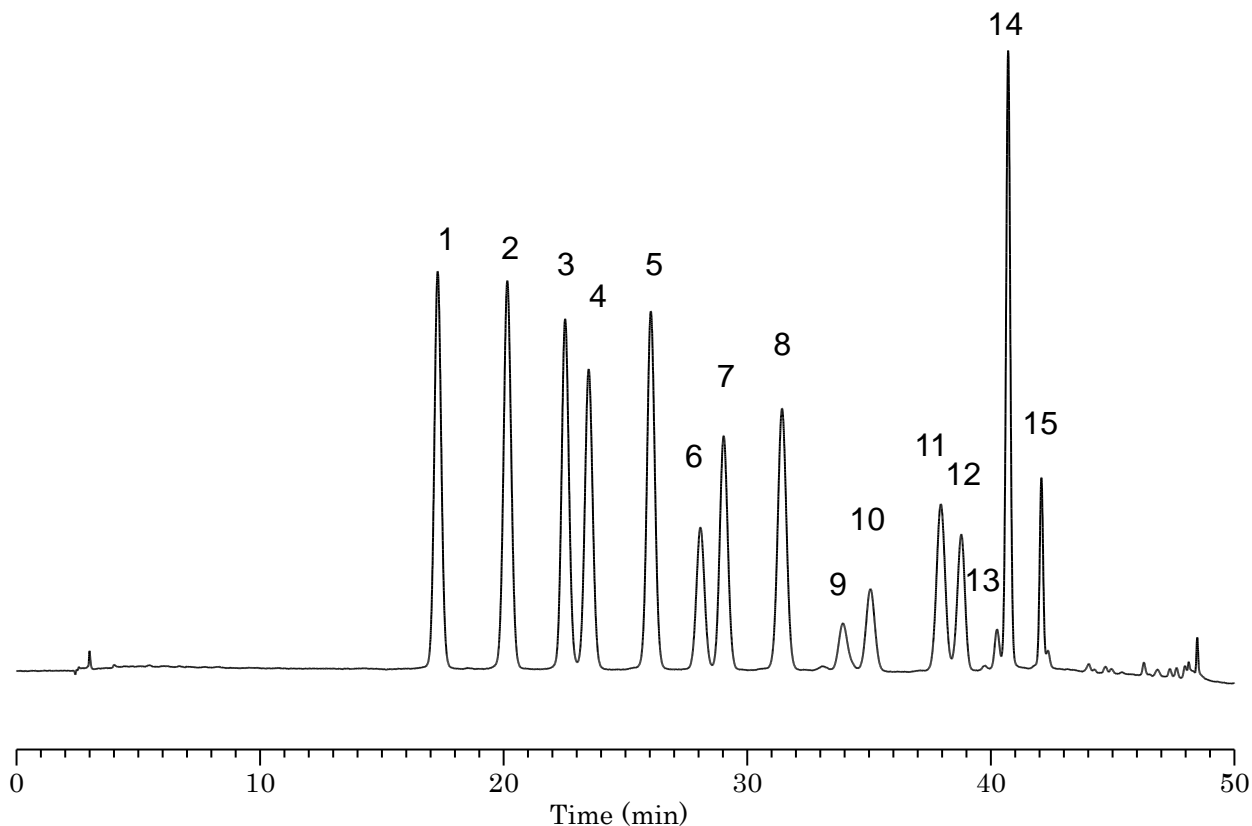


## Analysis of Bilberry extract (InertSustain C18)



### Conditions

**System** : LC800 HPLC system  
**Column** : InertSustain C18 (5  $\mu$ m, 250 x 4.6 mm I.D)  
**Column Cat. No.** : 5020-07346  
**Eluent** : A) H<sub>2</sub>O/CH<sub>3</sub>CN/CH<sub>3</sub>OH/HCOOH = 40/22.5/22.5/10, v/v/v/v  
 B) H<sub>2</sub>O/HCOOH =90/10, v/v  
 A/B = 7/93 -35 min- 25/75 -10 min- 65/35  
 -1 min- 100/0 -4 min- 100/0, v/v  
 (Mixed by a gradient mixer)  
**Flow Rate** : 1.0 mL/min  
**Col. Temp.** : 30 °C  
**Detection** : VIS 535 nm (LC800 UV Detector)  
**Injection Vol.** : 10  $\mu$ L  
**Sample** : Powdered bilberry extract (USP)

### Analyte:

Bilberry powder (1.25 mg/mL)  
 1. Delphinidin-3-*O*-galactoside  
 2. Delphinidin-3-*O*-glucoside  
 3. Cyanidin-3-*O*-galactoside  
 4. Delphinidin-3-*O*-arabinoside  
 5. Cyanidin-3-*O*-glucoside  
 6. Petunidin-3-*O*-galactoside  
 7. Cyanidin-3-*O*-grabinoside  
 8. Petunidin-3-*O*-glucoside  
 9. Peonidin-3-*O*-galactoside  
 10. Petunidin-3-*O*-arabinoside  
 11. Peonidin-3-*O*-glucoside  
 12. Malvidin-3-*O*-galactoside  
 13. Peonidin-3-*O*-arabinoside  
 14. Malvidin-3-*O*-glucoside  
 15. Malvidin-3-*O*-arabinoside