

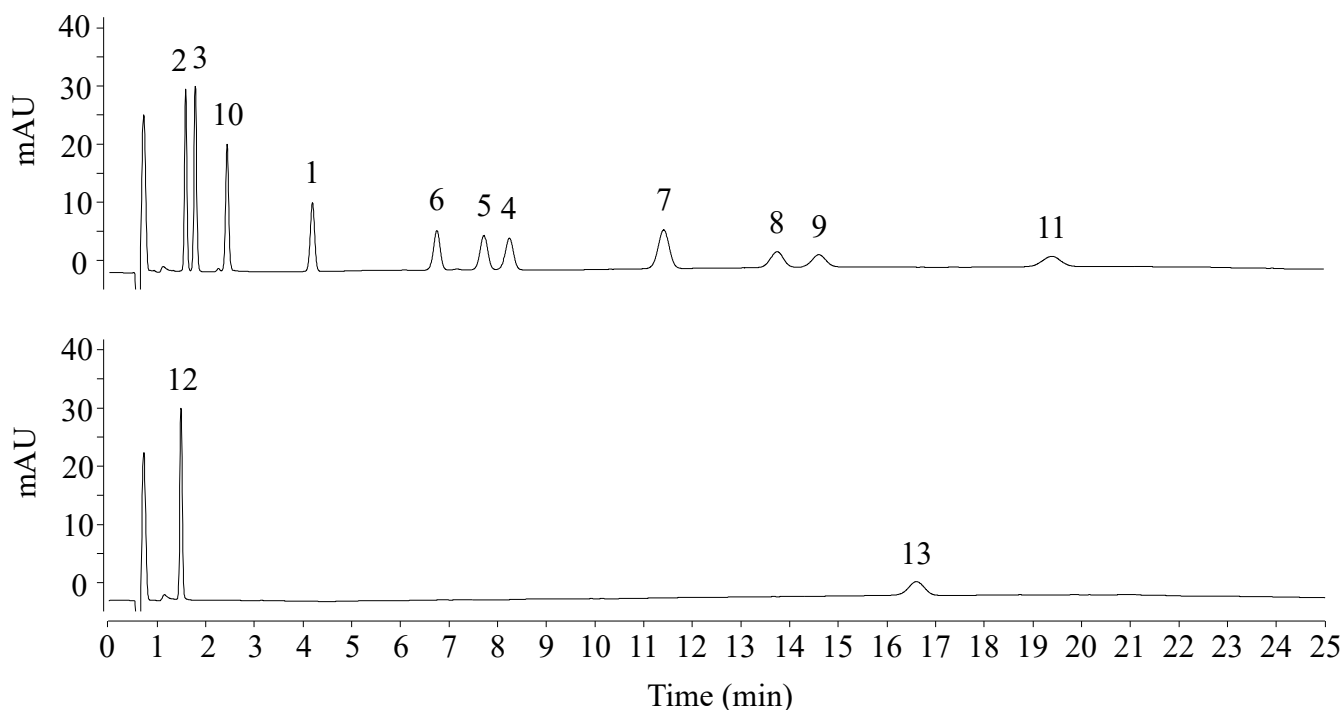
# InertSearch™ for LC

Inertsil™ Applications

## Analysis of Cannabinoids

Data No. LL038-0000

*The chromatogram was provided by Prof. Akira Namera,  
Department of Forensic Medicine, Graduate School of Biomedical and Health Sciences,  
Hiroshima University,  
Kasumi 1-2-3 Minami-ku, Hiroshima, 734-8551, Japan*



### Conditions

**Column** : InertSustainSwift C18 (GL Sciences Inc.)  
(3  $\mu$  m, 100 x 2.1 mm I.D.)  
**Column Cat. No.** : 5020-88127  
**Eluent** : A) CH<sub>3</sub>CN  
: B) 10 mM HCOONH<sub>4</sub> in H<sub>2</sub>O (pH 6.3)  
: A/B = 55/45, v/v  
**Flow rate** : 0.4 mL/min  
**Col. Temp.** : 40 °C  
**Detection** : UV 220 nm  
**Injection Vol.** : 5  $\mu$  L  
**Sample** : Standard

### Analyte:

1. Cannabidiol (CBD)
2. Cannabidiolic acid (CBDA)
3. Cannabigerolic acid (CBGA)
4. Cannabigerol (CBG)
5. Cannabidiol (CBD)
6. Tetrahydrocannabivarin (THCV)
7. Cannabinol (CBN)
8. *Delta*-9-Tetrahydrocannabinol ( $\Delta^9$ -THC)
9. *Delta*-8-Tetrahydrocannabinol ( $\Delta^8$ -THC)
10. Tetrahydrocannabinolic acid (THCA)
11. Cannabichromene (CBC)
12. Tetrahydrocannabivarinic acid (THCVA)
13. Cannabicyclol (CBL)

(1  $\mu$ g/mL each)