

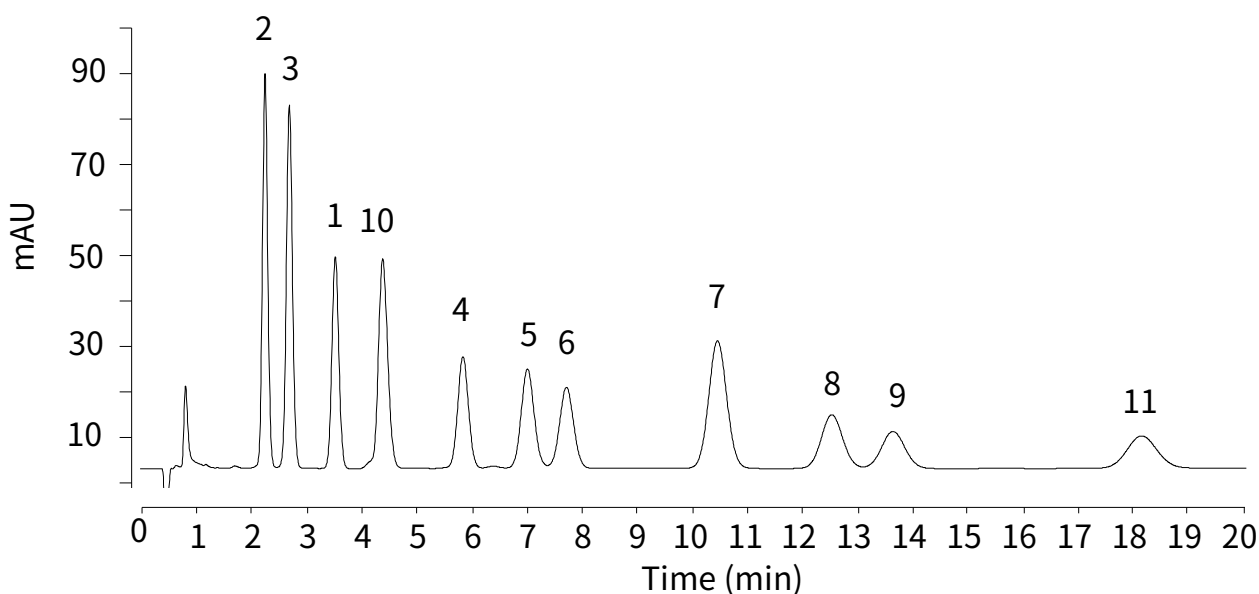
# InertSearch™ for LC

Inertsil® Applications

## Analysis of Cannabinoids

Data No. LL041-0000

*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** : InertSustain Phenylhexyl HP (GL Sciences Inc.)  
(3  $\mu$ m, 50 x 2.1 mm I.D.)

**Column Cat. No.** : 5020-89125

**Eluent** : A) CH<sub>3</sub>OH  
: B) 10 mM HCOONH<sub>4</sub> in H<sub>2</sub>O (pH 6.3)  
: A/B = 70/30, v/v

**Flow rate** : 0.3 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)  
(1  $\mu$ g/mL each)