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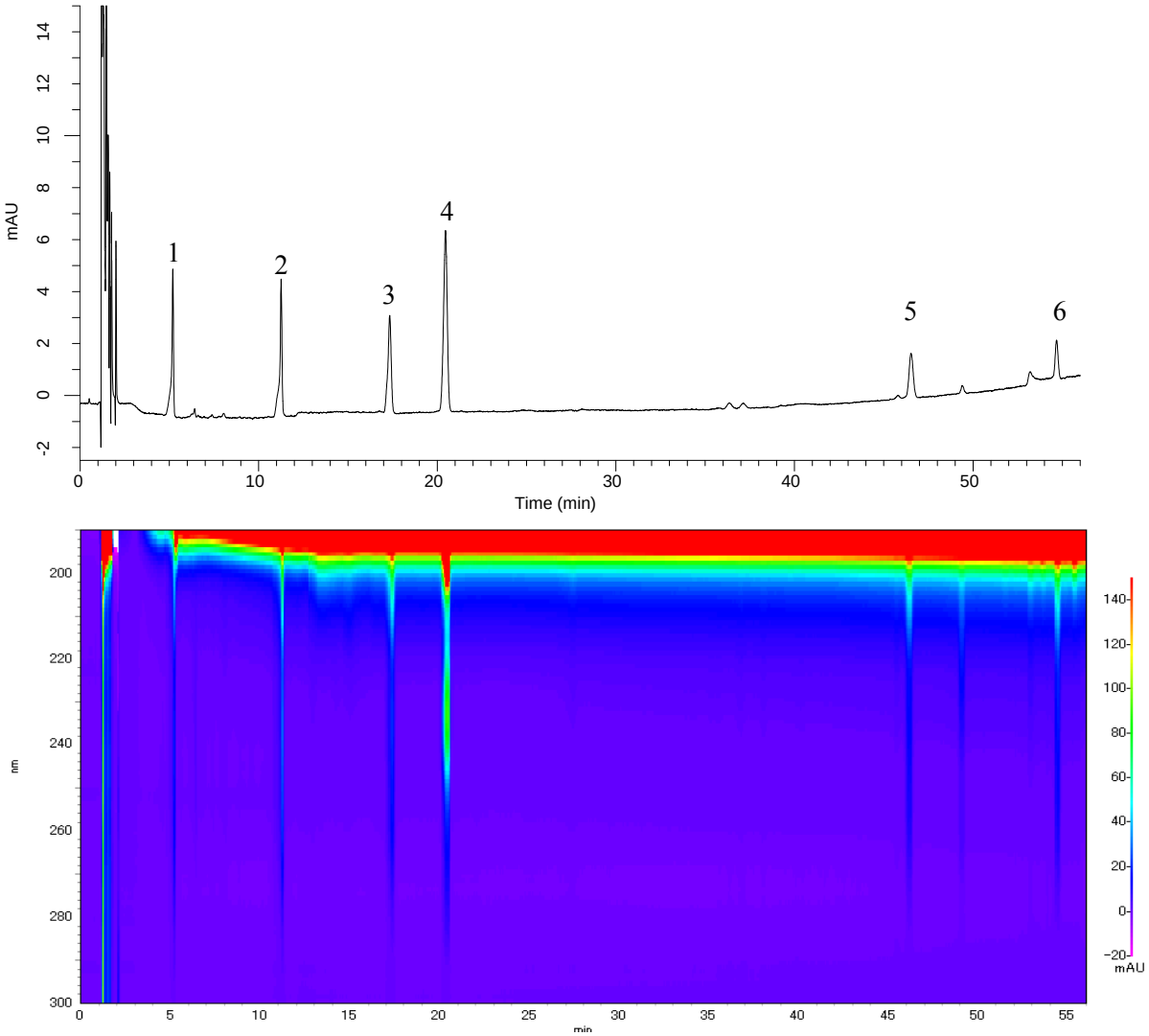
Inertsil ® Applications

Analysis of Phorbol esters

Data No. LA928-0811

This sample was provided by Dr. Kiyoshi Imamura (The University of Osaka Prefecture, Japan)



Conditions

System : GL-7400 HPLC system
Guard Column : Cartridge guard column E Inertsil ODS-4 (3 µm, 10 x 4.0 mm I.D.)
Column Cat. No. : 5020-19152
Column : Inertsil ODS-4 (3µm, 100×3.0 mm I.D.)
Column Cat. No. : 5020-04024
Eluent : A) CH_3CN
B) H_2O
A/B = 5/95 -10 min- 50/50 -30 min- 75/25 -15 min- 100/0 -15 min- 100/0 -0.1 min- 5/95 -10 min- 5/95, v/v
Flow rate : 0.4 mL/min
Col. Temp. : 30 ℃
Detection : UV 280 nm, scan 190～300 nm (GL-7452A PDA Detector)
Injection Vol. : 50 µL
Sample : Standard

Analyte:

1. Phorbol (Pb)
2. Phorbol 12,13-diacetate (PDA)
3. Phorbol 12,13-dibutylate (PDBu)
4. Phorbol 12,13-dibenzoate (PDB)
5. Phorbol 12-myristate 13-acetate (TPA)
6. Phorbol 12,13-didecanoate (PDD)