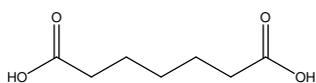


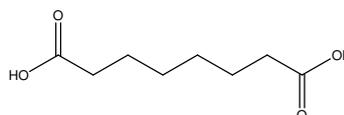
ジカルボン酸

Dicarboxylic acids

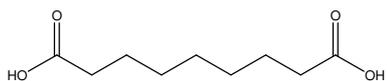
ジカルボン酸は 2 つのカルボキシ基を有する極性の高い化合物です。ここでは、CAPCELL PAK C₁₈ KG S5、CAPCELL PAK C₁₈ MGII S5、CAPCELL PAK C₈ DD S5、CAPCELL PAK C₁₈ AQ S5 及び CAPCELL PAK ADME-HR S5 (4.6 mm i.d. x 150 mm) を用いて分析した例を示します。



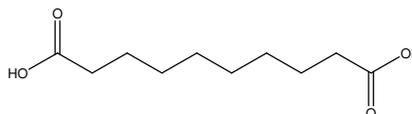
1. ピメリン酸 (1000 µg/mL)
Pimelic Acid (M.W. 160.2)



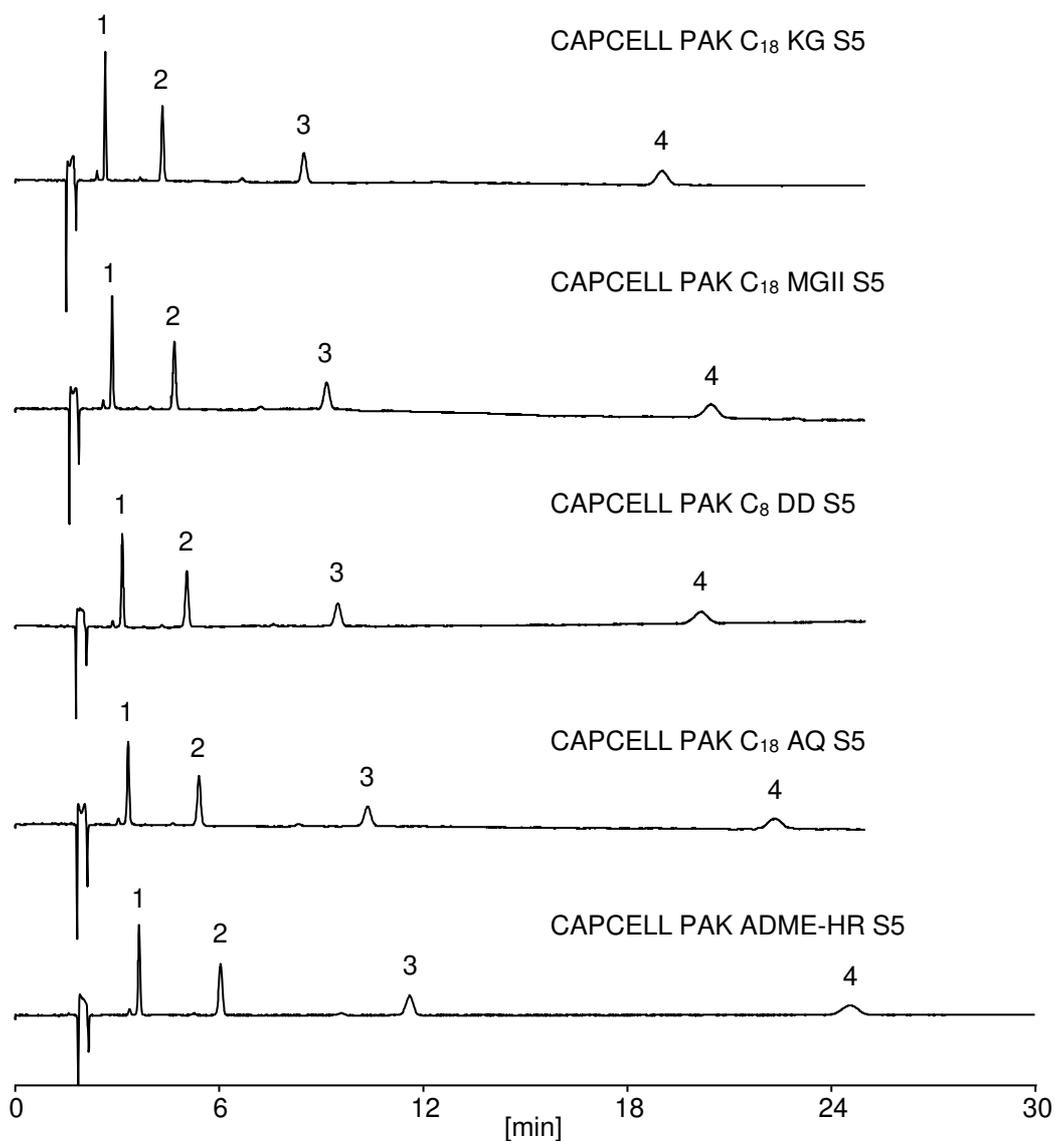
2. スベリン酸 (1000 µg/mL)
Suberic Acid (M.W. 174.2)



3. アゼライン酸 (1000 µg/mL)
Azelaic Acid (M.W. 188.2)



4. セバシン酸 (1000 µg/mL)
Sebacic Acid (M.W. 202.3)



【HPLC Conditions】

Column size : 4.6 mm i.d. x 150 mm
 Mobile phase : 0.1 vol% H₃PO₄, H₂O / CH₃CN = 80 / 20
 Flow rate : 1 mL/min
 Temperature : 40 °C
 Detection : UV 210 nm
 Inj. vol. : 2 μL
 Sample dissolved in : Each compound was separately dissolved in ethanol at 10 mg/mL. 100 μL of pimeric acid, suberic acid, azelaic acid and sebacic acid solutions were mixed together and 100 μL of ethanol and 500 μL of water were added to the mixture.
 ※ 1 μg/mL = 1 ppm