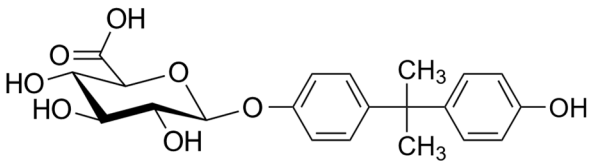
ChromaNik Technologies Inc.

ビスフェノールAとグルクロン酸抱合体の分離

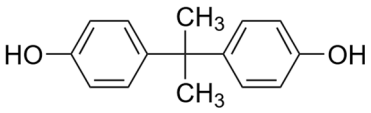
Bisphenol A and its glucuronide conjugate

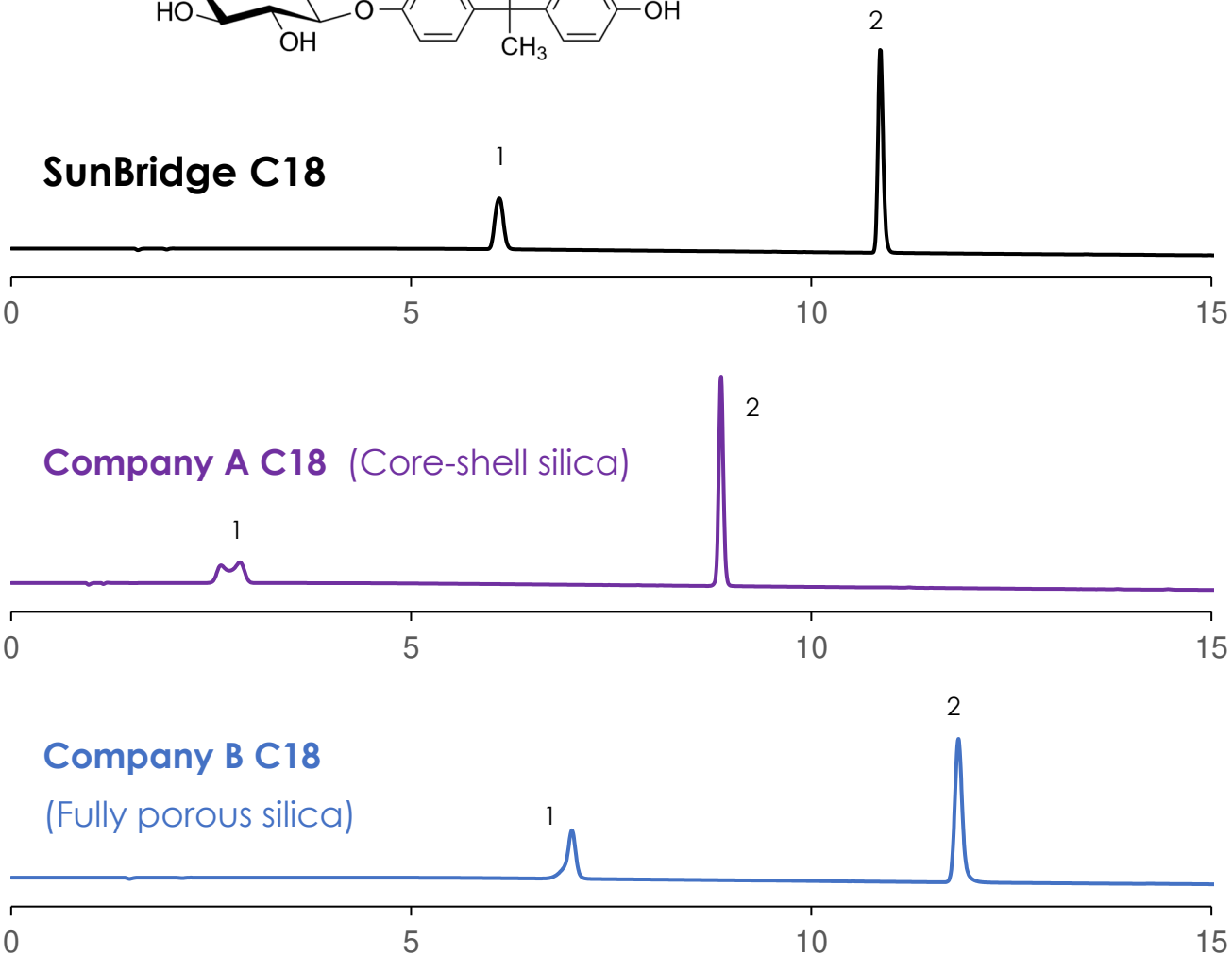
SunBridge C18 5 µm, 150 x 4.6 mm i.d.

1. BPA-Glc



2. BPA





Column: SunBridge C18 5 µm, 150 x 4.6 mm
Company A(Core-shell silica) 5 µm, 100 x 4.6 mm
Company B (Fully porous silica) 5 µm, 150 x 4.6 mm
Mobile phase: A) 10 mM Ammonium acetate aq. B) Acetonitrile
Gradient program: shown right
Flow rate: 1.0 mL/min, Temperature: 40 °C, Detection: UV@230 nm (PDA)
Sample: 1 = Bisphenol A Glucuronide (BPA-Glc), 2 = Bisphenol A (BPA)
(each 50 µM dissolved in 50% Acetonitrile)
Instrument: Shimadzu Prominence system

Time (min)	A(%)	B(%)
0	80	20
15	5	95
18	5	95
19	80	20
30	80	20