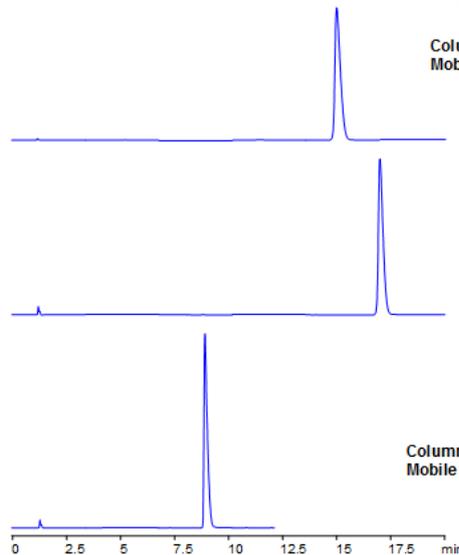
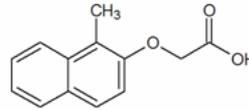


HPLC Separation of 2-Naphthoxyacetic acid

Size: 2.1 x 150 mm
 Flow: 0.4 mL/min
 Detection: UV 270 nm



Column: Obelisc R 5 μ m
 Mobile phase: MeCN gradient 25% to 70%
 in 15 min, 7 minute hold,
 AmFm pH 3.0 gradient
 from 30 mM to 60 mM

Column: Obelisc R 5 μ m
 Mobile phase: MeCN gradient 10% to
 70% in 15 min, 7 minute hold,
 AmFm pH 3.0 gradient from
 20 mM to 60 mM

Column: Primesep 100 3 μ m
 Mobile phase: MeCN gradient 10% to 70%
 in 15 min, 7 minute hold,
 AmFm pH 3.0 gradient
 from 20 mM to 60 mM

SIELC has developed the Obelisc™ columns, which are mixed-mode and utilize Liquid Separation Cell technology (LiSC™). These cost-effective columns are the first of their kind to be commercially available and can replace multiple HPLC columns, including reversed-phase (RP), AQ-type reversed-phase, polar-embedded group RP columns, normal-phase, cation-exchange, anion-exchange, ion-exclusion, and HILIC (Hydrophilic Interaction Liquid Chromatography) columns. By controlling just three orthogonal method parameters - buffer concentration, buffer pH, and organic modifier concentration - users can adjust the column properties with pinpoint precision to separate complex mixtures.

Method Parameters

Column	Primesep 100, 2.1x150 mm, 3 μ m, 100 Å
Mobile Phase	Gradient MeCN – 10-70%, 15 min, 7 min hold
Buffer	Gradient AmAc pH 3.0- 20-60 mM, 15 min, 7 min hold
Flow Rate	0.4 mL/min
Detection	UV, 270 nm

Quelle: <https://sielc.com/Application-HPLC-Separation-of-2-Naphthoxyacetic-acid>