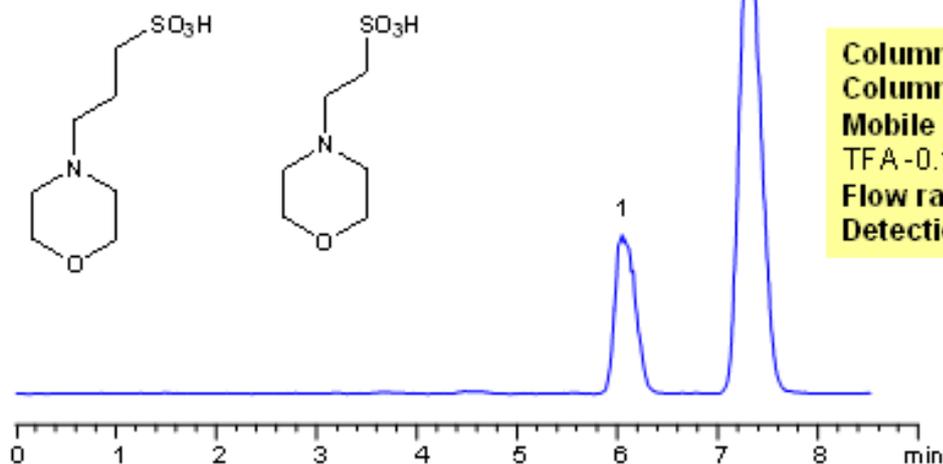


HPLC Separation of Morpholino Sulfates

1. MES (2 - Morpholinoethanesulfonic Acid)
2. MOPS (4 - Morpholinopropanesulfonic Acid)



Column: Primesep N
Column size: 250 x 4.6 mm
Mobile phase: MeCN-80%,
TFA -0.1%
Flow rate: 1.0 mL/min
Detection: ELSD

MOPS and MES are buffers used in biology and biochemistry. They consist of a morpholine ring and propanesulfonic acid. Both molecules are zwitter-ionic and very polar. No retention can be achieved on reversed-phase columns. MOPS and MES are analyzed in HILIC mode on a Primesep N HPLC column. Other biological buffers can be analyzed with this general method. Biological buffers are not UV active and can be monitored by ELSD, CAD or LC/MS.

Method Parameters

Detection	ELSD Detection
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Quelle: <https://sielc.com/Application-HPLC-Separation-of-Morpholino-Sulfates>