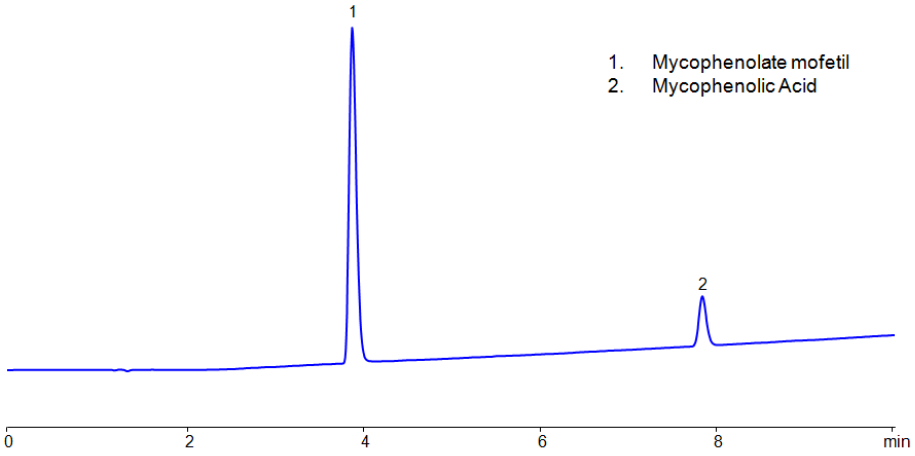
HPLC Separation of Mixture of Mycophenolate mofetil and Mycophenolic Acid on Newcrom R1 Column



Column:	Newcrom R1
Column size:	4.6 × 150 mm, 5 µm
Mobile phase:	Gradient MeCN - 30-70 % 10 min
Buffer:	H3PO4 – 0.2%
Flow rate:	1 mL/min
UV detection:	220 nm

High Performance Liquid Chromatography (HPLC) Method for Analysis of Mycophenolic acid , Mycophenolate mofetil .

Mycophenolate mofetil and mycophenolic acid alongside other medicines are used as immunosuppressants to prevent organ rejection after a transplant. Both compounds can be retained and separated in HPLC using Newcrom R1 reverse-phase column. The analytical method's mobile phase consists of a gradient of acetonitrile (ACN) in water with phosphoric acid (H3PO4) buffer and using UV detection at 220 nm.

Method Parameters

Column	Newcrom R1, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 30/70%
Buffer	H3PO4- 0.2%
Flow Rate	1.0 mL/min
Detection	UV, 220 nm

Quelle: https://sielc.com/hplc-separation-of-mixture-of-mycophenolate-mofetil-and-mycophenolic-acid