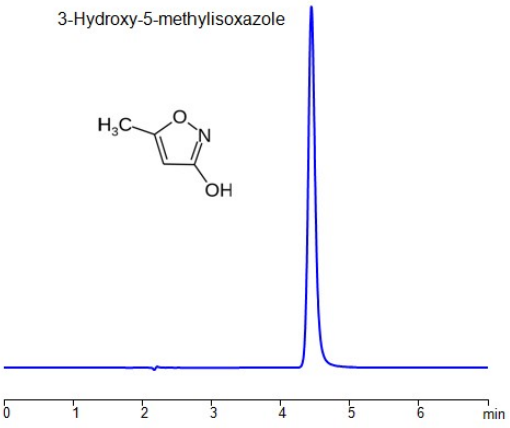
HPLC Method for Analysis of Hymexazol (3-Hydroxy-5-methylisoxazole) on Primesep B Column



Column:	Primesep B
Column size:	4.6 × 150 mm, 5 µm
Column part number:	B-46.150.0510
Mobile phase:	MeCN - 10%
Buffer:	H_2SO_4 - 0.05%
Flow rate:	1.0 ml/min
Detection:	UV 220 nm
Injection Volume:	1 µL
Sample:	1.0 mg/ml
Diluent:	MeCN – 50%
LOD:	7 ppb

Separation type: Liquid Chromatography Mixed-mode SIELC Technologies

3-Hydroxy-5-methylisoxazole can be retained and analyzed using a Primesep 100 mixed-mode stationary phase column. The analysis employs an isocratic method with a simple mobile phase comprising water, acetonitrile (MeCN), and sulfuric acid as a buffer. This method allows for detection using UV at 222 nm

Method Parameters

Column	Primesep B, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 10/90%
Buffer	H2SO4 – 0.05%
Flow Rate	1.0 mL/min
Detection	UV 220 nm
Injection Volume	1 µl

Quelle: https://sielc.com/hplc-method-for-analysis-3-hydroxy-5-methylisoxazole

AugustaChrom - Dr. Roland Kießwetter
Tel.: +49 821 599 783 70
Fax: +49 821 599 783 71
E-Mail: info@hplc-shop.de