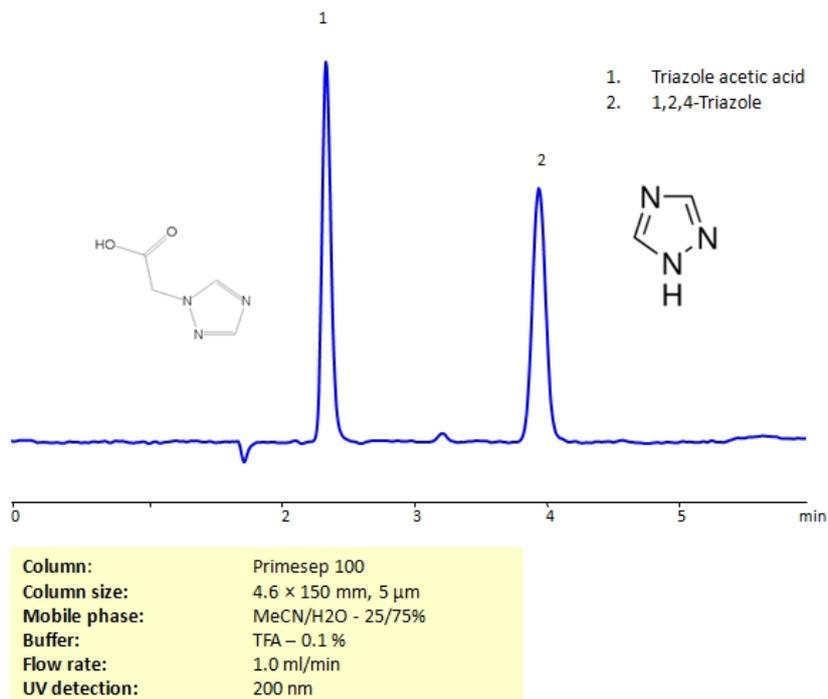


HPLC Separation of Triazole acetic acid and 1,2,4-Triazole on Primesep 100 Column



High Performance Liquid Chromatography (HPLC) Method for Analysis of 1,2,4-Triazole , Triazole acetic acid

Triazole is a five-membered heterocyclic chemical ring containing three nitrogen atoms and two carbon atoms. It's molecular formula is C₂H₃N₃ . It is most commonly used as an antifungal drug. It works through inhibiting an enzyme in fungal cell wall synthesis.

1,2,4-Triazole , Triazole acetic acid can be retained and analyzed using the Primesep 100 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a Trifluoroacetic acid buffer. Detection is performed using CAD.

Method Parameters

Column	Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H ₂ O – 25/75%
Buffer	TFA – 0.1%
Flow Rate	1.0 mL/min
Detection	CAD (Corona) MS- compatible mobile phase

Quelle: <https://sielc.com/hplc-determination-of-triazole-acetic-acid-and-123-triazole>