

Injection vol.: 10 µL

Flow rate: 1.0mL / minute

Detection: UV @ 350nm

Temperature: 25°C

Samples: 1.0mg / mL stock Solutions of Doxycycline HCL and Methacycline HCL reference standards were prepared in a diluent of 50/50 Solvent A / Solvent B. 100µL of each solution was transferred to a new vial and diluted with 800µL diluent. Individual standard dilutions were also prepared for peak identity confirmation.

t₀: 1.8 minutes

Note: Doxycycline is an antibiotic used for treatment of various bacterial infections such as Lyme disease, Rocky Mountain Spotted Fever, and others. Methacycline is a synthetic precursor to Doxycycline and therefore is a known impurity in Doxycycline formulations.



Attachment

No 311 Doxycycline and Methacycline Analysis by HPLC pdf 0.3 Mb

MicroSolv Technology Corporation

9158 Industrial Blvd. NE, Leland, NC 28451

tel. (732) 380-8900, fax (910) 769-9435

Email: customers@mtc-usa.com

Website: www.mtc-usa.com