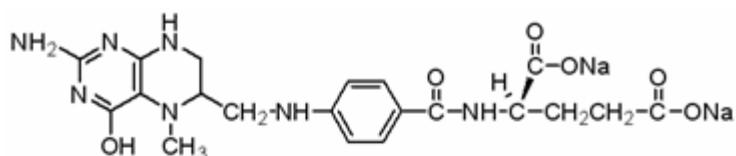


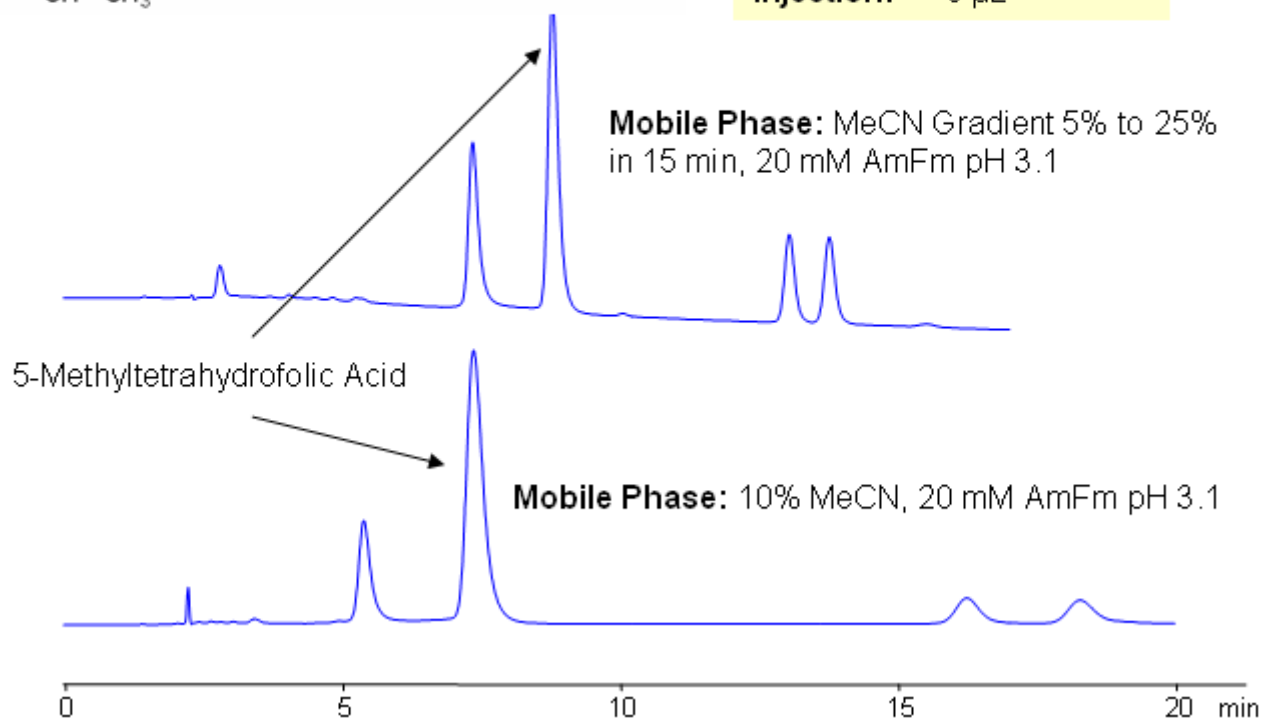
# HPLC Separation of 5-Methyltetrahydrofolic Acid and Degradation Products

<https://sielc.com/Application-HPLC-Separation-of-5-Methyltetrahydrofolic-Acid-and-Degradation-Products>

## Chromatogram



**Column:** Primesep SB  
**Size:** 4.6 x 150 mm  
**Flow rate:** 1.0 mL/min  
**Detection:** UV 290 nm  
**Injection:** 5 µL



## Description

5-MTHF is a form of folic acid, one of the B vitamins. Folic acid is an essential vitamin used in synthesis of genetic molecules (DNA, RNA) and for the metabolism of amino acids. The separation of 5-MTHF can be achieved using reverse-phase (RP) Primesep SB column by hydrophobic, anion-exchange and ion-exclusion mechanisms. The method can be used for quality control (QC), research and development (R&D), etc. Fine tuning can be achieved with variations in mobile phase, pH and buffer selection. UV detection at 290nm.