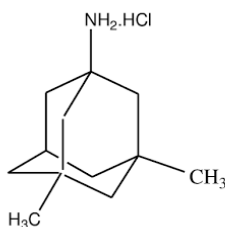


As this compound lacks Chromophores, it typically requires Derivitization for use in UV detection. In this Method, we retain excellent peak shape without the need for these pre-column derivatization steps.

A chromatogram plot with 'mV' on the y-axis and 'min' on the x-axis. The y-axis has major tick marks at 0, 200, 400, 600, and 800. The x-axis has major tick marks at 2.5 and 5. The plot shows a baseline with two distinct peaks. The first peak is at approximately 1.8 minutes with a height of about 180 mV. The second, much larger peak is at approximately 2.5 minutes, reaching a height of about 750 mV. The baseline is relatively flat with minor noise.



Memantine HCl

Dimensions: 4.6mm x 100mm

MICROSOLV

Mobile Phase: 95% Acetonitrile / 5% DI Water 10 mM Ammonium Formate

Injection vol.: 1µL

Flow rate: 1.0mL / minute.

Detection: ELSD, Gain: 12, Temperature: 50°C, Nitrogen: 3.5 bar.

Sample Preparation: 1.0mg / mL Mermantine HCL in DI Water.

***Notes:** Persistent activation of the N-methyl-D-aspartate (NMDA) receptors in the central nervous system triggered by glutamate is believed to cause some of the Alzheimer's disease symptoms. Memantine blocks the effects of glutamate, a neurotransmitter in the brain that leads to neuronal excitability and stimulation, being offered as a treatment for Alzheimer's dementia.*



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