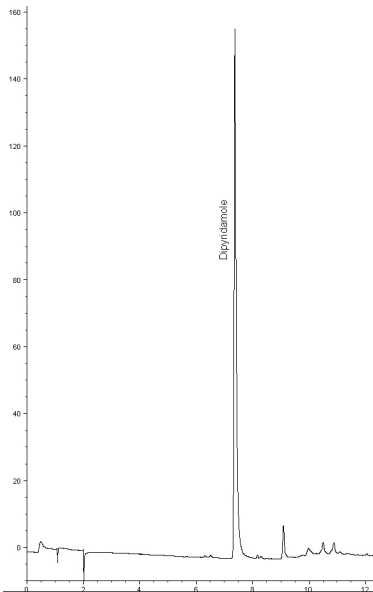
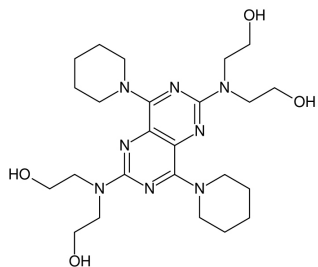


Dipyridamole: Tablet Formulation
Difficult to Analyze: Several Tertiary Amines



Method Conditions

Column: Cogent Bidentate C18™, 4µm, 100Å
Catalog No.: 40018-75P
Dimensions: 4.6 x 75 mm
Mobile phase: A: 100% DI water 0.1% Phosphoric Acid
 B: 80:20 Acetonitrile: 0.1% Phosphoric Acid
Gradient: Time=0 0%B
 Time=15 min 100% B (linear gradient)
Flow rate: 1.5 mL/min.
Peaks: Main Peak: Dipyridamole
 Minor Peaks: Tablet Excipients
Injection Volume: 10 µL
Detection: UV 280 nm
Temperature: 40°C

Discussion

Easy to prepare this useful gradient separation of Dipyridamole of a USP tablet formulation. Note the excellent resolution from capsule excipients, along with the excellent peak shape for this complex, difficult molecule.

For more information visit www.MTC-USA.com

Note: Dipyridamole is a drug that inhibits thrombus formation when given chronically and causes vasodilation when given at high doses over short time. Modified release dipyridamole is used in conjunction with aspirin (under the trade names Aggrenox in the USA or Asasantin Retard in the UK) in the secondary prevention of stroke and transient ischaemic attack. Dipyridamole absorption is pH-dependent and concomitant treatment with gastric acid suppressors (such as a proton pump inhibitor) will inhibit uptake significantly.

Cat. No.	Description
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40018-75P	Cogent Bidentate C18™ HPLC Column, 4mm, 100A, 4.6mm x 75mm
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