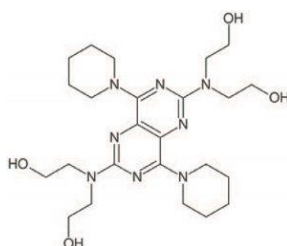
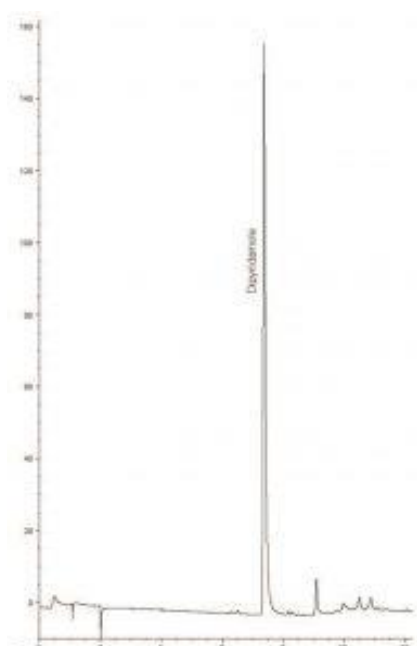


## Dipyridamole Analyzed with HPLC - AppNote

### Several Tertiary Amines on a Molecule that is Easily Retained

This Method for the Analysis of Dipyridamole USP Tablet Formulation is easy to do. Note the excellent Resolution from capsule excipients, along with the excellent Peak shape for this complex, difficult molecule.



#### Peaks:

1. Dipyridamole
2. Tablet Excipients

#### Method Conditions

**Column:** Cogent Bidentate C18™, 4µm, 100Å

**Catalog No.:** 40018-75P

**Dimensions:** 4.6 x 75mm

**Mobile Phase:**

A: DI Water / 0.1% Phosphoric Acid

B: 80% Acetonitrile / 20% DI Water / 0.1% Phosphoric Acid

**Gradient:**

Time (minutes)	%B
0	0
15	100

**Temperature:** 40°C

**Injection vol.:** 10µL

**Flow rate:** 1.5mL / minute

**Detection:** UV @ 280nm

---

**Notes:** 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.

**Notes:** We recommend dedicating TYPE-C™ Columns to Methods once they have been used with Phosphates.

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**Attachment No 82 Dipyridamole Analyzed with HPLC pdf 0.1 Mb** [Download File](#)

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