

	Chromegabond® Pyridyl Amide SFC Columns
	<h1>Application News</h1> <p>701 South Route 73 • West Berlin, New Jersey 08091-2621 • (856) 753-8400 • Fax (856) 753-8484</p>

Chromegabond Pyridyl Amide

Supercritical fluid chromatography (SFC) is a powerful chromatographic technique for the separation of complex mixtures. It has been useful in the areas of preparative chromatography and rapid analysis chromatography.

Many SFC separations have been forced to utilize older types of stationary phases from “normal phase” HPLC such as unmodified silica, diol, amino and cyano. These phases are poorly adapted to SFC and present a number of limitations for SFC separations. Limitations include: low capacity, poor selectivity, and poor peak shape for SFC separations.

At ES Industries we have developed a new line stationary phases specifically engineered for SFC separations, one of these phases is Chromegabond Pyridyl Amide. This stationary phase has proven superior to conventional stationary phases (such as diol, cyano etc...) in the areas of separation selectivity, peak shape and loading capacity.

The chromatogram shown below is a prime example of the superior peak shape performance obtainable with the Chromegabond Pyridyl Amide column with SFC. The type of chemicals separated in this chromatogram would normally require the addition of TFA or an amine to the mobile phase; however Pyridyl Amide does not require the addition of these peak shape modifiers.

The chromatogram contains chemicals that are functionalized with both amine bases and acidic groups, demonstrates the flexibility that Chromegabond Pyridyl Amide can deliver to the SFC chromatographer. Mobile phase composition and fraction collection is greatly simplified without the use of amino or TFA additives. Chromegabond Pyridyl Amide can easily replace conventional stationary phases used in SFC and deliver superior performance.

ES INDUSTRIES
701 South Route 73
West Berlin NJ 08091

email: esindustries@msn.com
website: www.esind.com

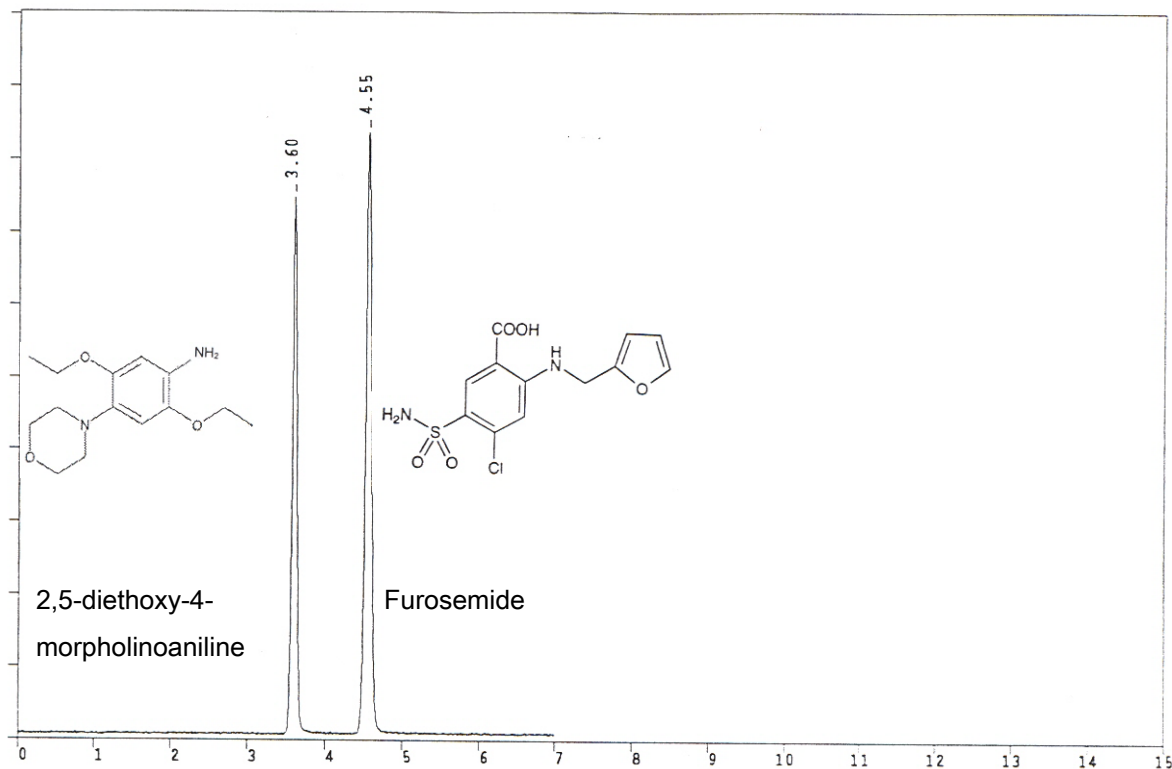
Toll-Free: 1-800-356-6140
Telephone: 856-753-8400
Fax: 856-753-8484



Chromegabond® Pyridyl Amide SFC Columns

Application News

701 South Route 73 • West Berlin, New Jersey 08091-2621 • (856) 753-8400 • Fax (856) 753-8484



Chromegabond Pyridyl Amide

Catalog # : 135291-PYA-SFC

150 X 4.6mm ID, 5µm

5% - 50% Gradient CO₂ : MeOH

Flow Rate : 2.35 mL/min

Temperature : 35°C

Detection : UV @ 254nm

ES INDUSTRIES
701 South Route 73
West Berlin NJ 08091

email: esindustries@msn.com
website: www.esind.com

Toll-Free: 1-800-356-6140
Telephone: 856-753-8400
Fax: 856-753-8484