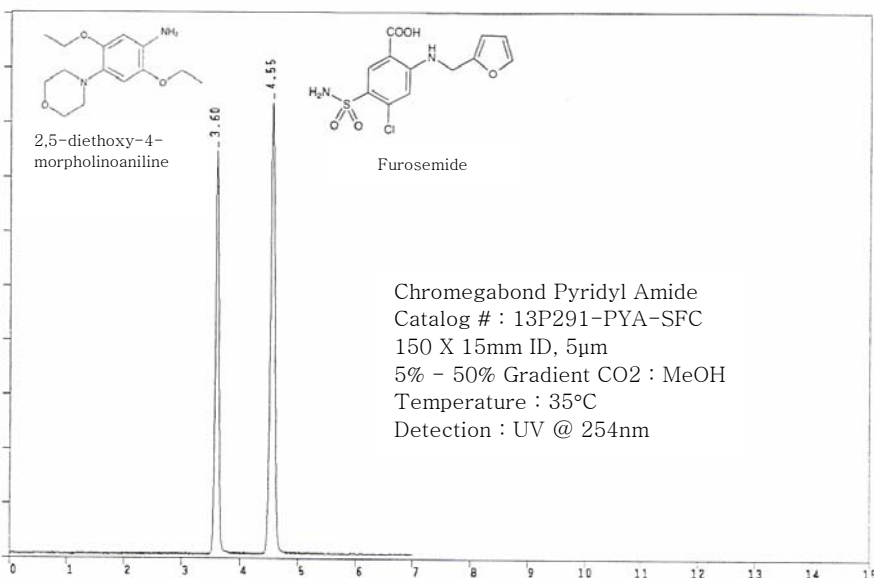


Preparative chromatography is an extremely powerful technique for the isolation of compounds from complex mixtures. At ES Industries we offer SFC preparative chromatography columns in a variety of particle sizes, pore sizes, and stationary phases. Our expertise in bonding chemistries and column packing technologies can deliver scalable chromatographic columns from analytical column formats up to 4 inch preparative diameters thus allowing for efficient transfer of methodologies from analytical columns to preparative columns.

One phase that has proved useful for preparative SFC separations 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 to the right 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.

We offer lengths from 5 cm to 50 cm and several diameters including 10mm, 15mm, 25mm, 30 mm, 50 mm, 75mm and 100 mm. A complete list of particle sizes, pore sizes and column dimensions are available on the website [www.esind.com](http://www.esind.com). Some of our other popular stationary phases for SFC phase preparative columns are:

Epic Nitro  
 Chromegabond Amino Phenyl  
 Chromegabond Ethyl Pyridine  
 Chromegabond Pyridyl Amide  
 Chromegasphere Silica

Chromegabond Diol  
 Chromegabond Cyano  
 Chromegabond Amine  
 FluoroSep-RP Phenyl SFC