## **HPLC Application**

ID No.: 17514



## PEGylated alpha-Chymotrypsinogen A on Jupiter® 300 C18 3µm, reaction at different time-points

Column: Jupiter® 3 µm C18 300 Å, LC Column 150 x 4.6 mm, Ea

Dimensions: 150 x 4.6 mm ID
Order No: 00F-4263-E0
Elution Type: Gradient

Eluent A: 0.1% TFA, 2% ACN in Water

Eluent B: 90% ACN, 0.085% TFA in Water

Gradient	Step No.	Time (min)	Pct A	Pct B
Profile:	1	0	80	20
	2	25	35	65

Flow Rate: 1 mL/min Col. Temp.: 45 °C

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 214 nm (25 °C)

**Analyst Note:** Application Focus: Using larger (20KDa) PEGylation reagents and seeing better performance with Jupiter 300 3u C18.

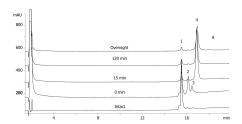
applications. In this application chymotrypsinogen was PEGylated using two different 20 KDa PEGylation reagents that are commonly used in Unlike GFC which can only separate PEGylated proteins based on degrees of polymerization, RP chromatography can also separate PEGylated species based on site of PEG attachment. Time course results for App ID 17514

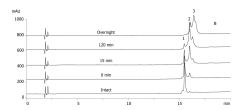
participates with unique retention by RP-HPLC dictated by both the site and degree of modification. Although other

In other studies proteins were modified with relatively small polyethylene glycol moieties (PEG) which may not be application



Products used in this application:





## **ANALYTES:**

1 PEGylated alpha-Chymotrypsinogen A

©2025 Phenomenex Inc. All rights reserved.

For more information contact your Phenomenex Representative at support@phenomenex.com

