Peptides, phosphorylated and dephosphorylated

Application Note

BioPharma

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Introduction
HPLC of peptides is straightforward with an Agilent Polaris C18 Ether column in four minutes.
Conditions

Column : Agilent Pursuit C18, 4.6 x 150 mm, 5 μm
Part No.: A3000150X046

Mobile Phase : A: H₂O + 0.1% HCOOH,
               B: CH₃CN + 0.1% HCOOH

Gradient : 20% - 35% B in 10 min

Flow Rate : 1.0 mL/min

Temperature : Ambient

Detection : 215 nm

Peak identification

1. dephosphorylated peptide - angiotensin II asp-arg-val-tyr-ile-his-pro-phe
2. phosphorylated peptide - angiotensin II substrate asp-arg-val-tyr-ile-
   his-pro-phe