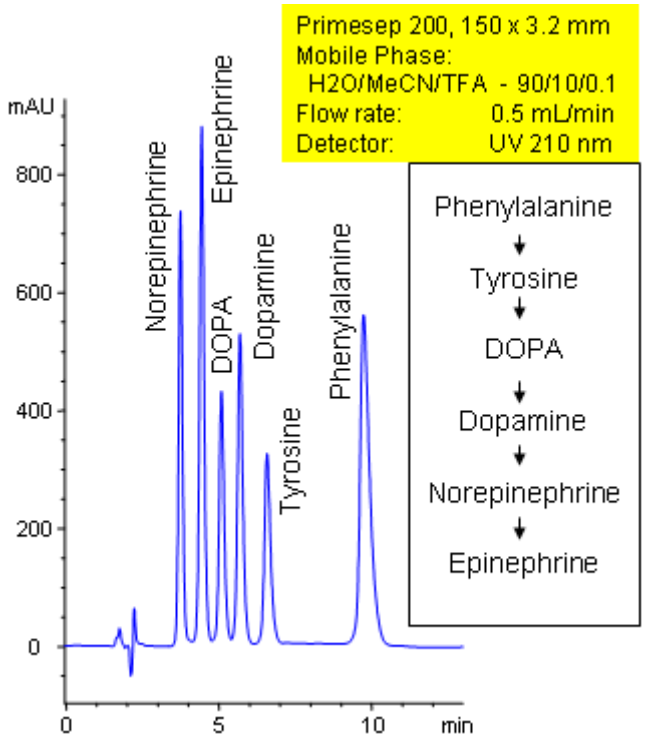
HPLC Analysis of the Catecholamine Pathway

https://sielc.com/Application-HPLC-Analysis-of-the-Catecholamine-Pathway

Chromatogram



Description

Primesep 200 separates catecholamines in the catecholamine pathway in 10 minutes. Phenylalanine, tyrosine, DOPA, dopamine, norepinephrine, and epinephrine are baseline resolved by a combination of reversed-phase, ion-exchange, and ion-exclusion mechanisms. Excellent peak shape results with a mass spec compatible mobile phase of water, acetonitrile (MeCN, ACN) and trifluoracetic acid (TFA) with UV detection at 210 nm.

Method Parameters

Mobile Phase	MeCN/H2O – 10/90%
Buffer	TFA – 0.1%
Flow Rate	0.5 ml/min
Detection	UV, 210 nm
Class of Compounds	Drug, Acid, Hydrophilic, Ionizable, Hormone
Analyzing Compounds	Tyrosine, DOPA, Phenylalanine, Norepinephrine, Epinephrine, Dopamine

HPLC Column Used

Primesep 200, 3.2×150 mm, 5 µm, 100A

Order this column at hplc-shop.de →