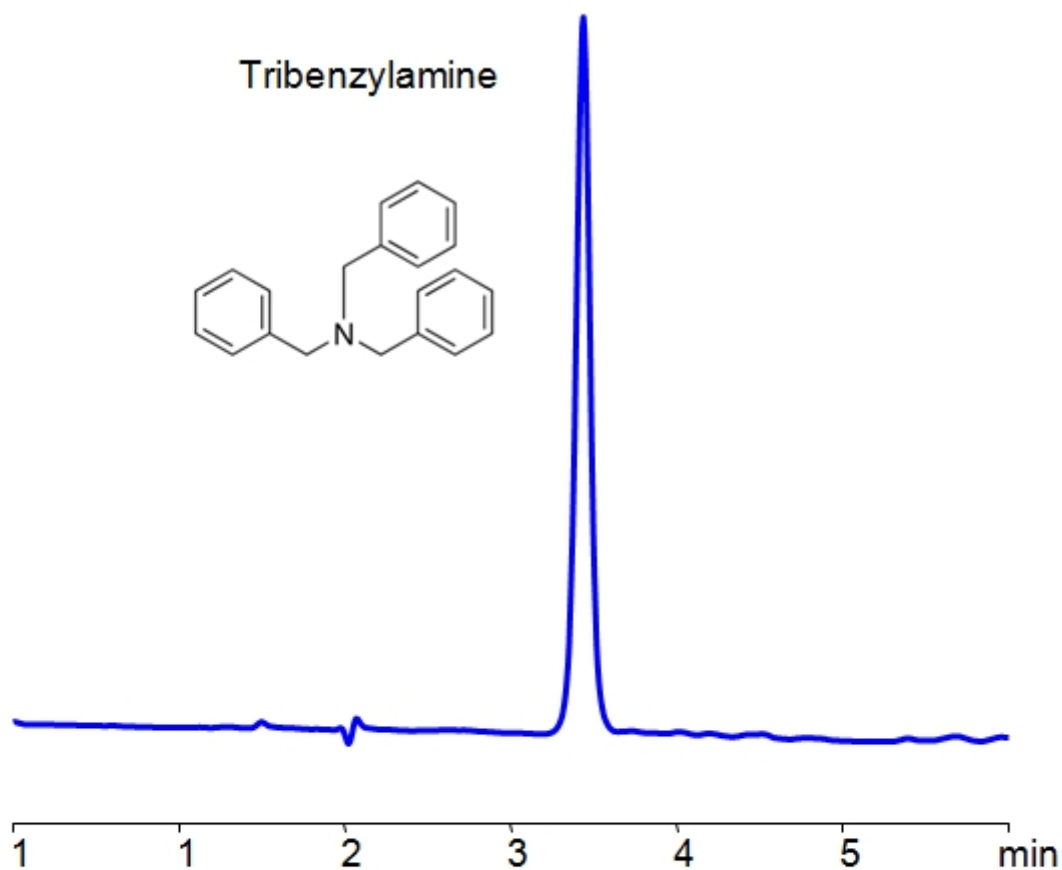


HPLC Determination of Tribenzylamine on Primesep B Column

<https://sielc.com/hplc-determination-of-tribenzylamine>

Chromatogram



Column:	Primesep B
Column size:	4.6 x 150 mm, 5 µm
Mobile phase:	Gradient MeCN – 20-40%, 6 min
Buffer:	Ammonium Formate pH 3.0 – 40 mM
Flow rate:	1.0 ml/min
Injection volume:	1 µl
Detection:	260 nm, (MS-compatible mobile phase)

Description

Tribenzylamine is an organic compound with the chemical formula $C_{21}H_{21}N$. It is one of the first compounds produced by the Leuckart reaction. It is primarily used for synthesis of imine.

You can find detailed UV spectra of Tribenzylamine and information about its various lambda maxima by visiting the following link.

Tribenzylamine can be retained and analyzed using the Primesep B stationary phase column. The analysis utilizes a gradient method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a Ammonium Formate buffer. Detection is

performed using UV.

Method Parameters

Mobile Phase	Gradient MeCN 20-40% , 10 min
Buffer	AmFm pH 3.0- 40 mM
Flow Rate	1.0 ml/min
Detection	UV, 260 nm, (MS-compatible mobile phase)
Class of Compounds	Hydrophobic
Analyzing Compounds	Tribenzylamine

HPLC Column Used

Primesep B, 4.6 x 150 mm, 5 µm, 100 Å, dual ended

[Order this column at hplc-shop.de →](#)