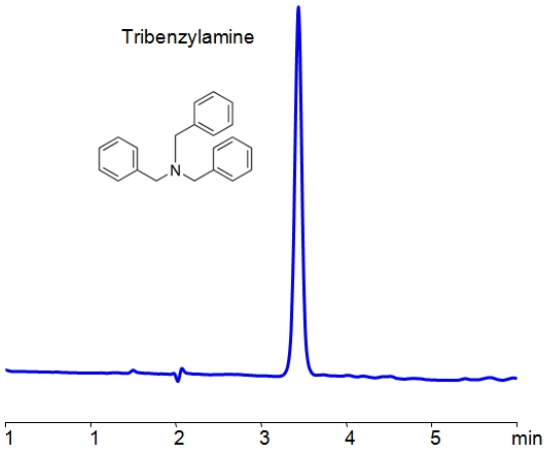
HPLC Determination of Tribenzylamine on Primesep B Column



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)

Tribenzylamine is an organic compound with the chemical formula C21H21N . 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

Column	Primesep B, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	Gradient MeCN20-40% , 10 min
Buffer	AmFm pH 3.0- 40 mM
Flow Rate	1.0 mL/min
Detection	UV, 260 nm, (MS-compatible mobile phase)

Quelle: https://sielc.com/hplc-determination-of-tribenzylamine

AugustaChrom - Dr. Roland Kießwetter
Tel.: +49 821 599 783 70
Fax: +49 821 599 783 71
E-Mail: info@hplc-shop.de