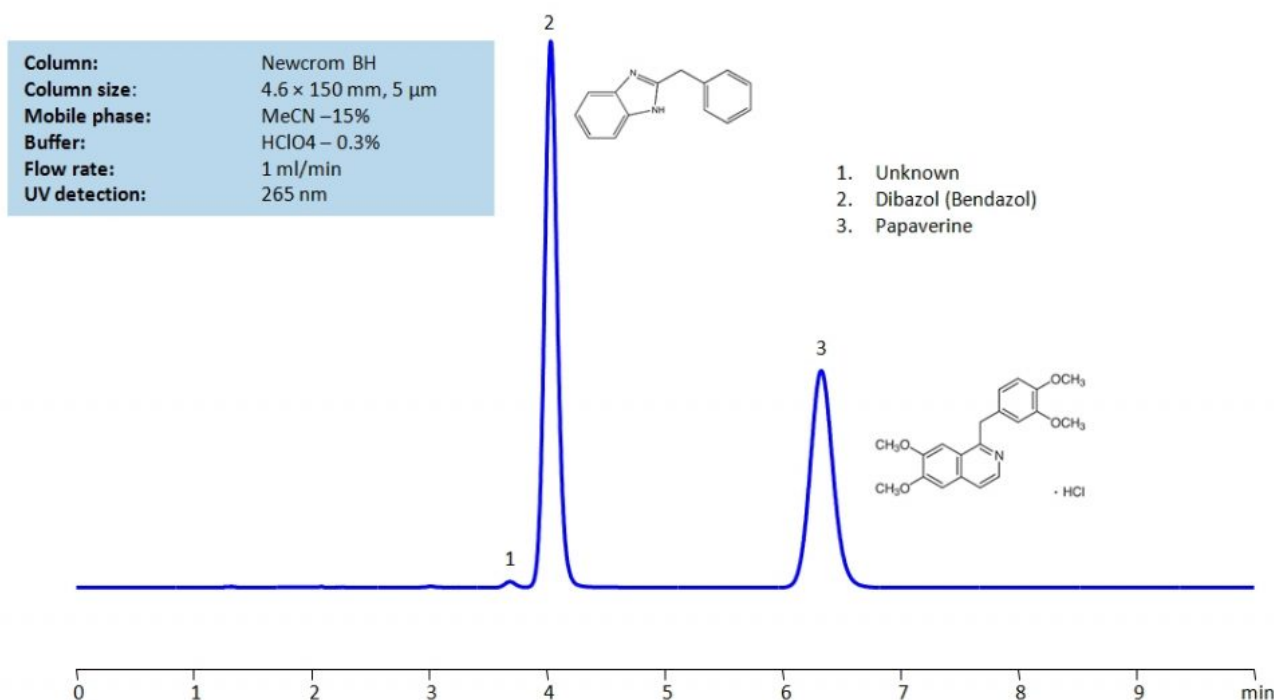


Separation of Dibazol (Bendazol) and Papaverine in Papazol Tablets on Newcrom BH Column

<https://sielc.com/separation-of-dibazol-bendazol-and-papaverine-in-papazol-tablets-on-newcrom-ah-column>

Chromatogram



Description

High Performance Liquid Chromatography (HPLC) Method for Analysis of Papaverine , Dibazol (Bendazol) , Papaverine hydrochloride .

Dibazol , also known as Bendazol , is a vasodilator and antispasmodic medication with the chemical formula C₁₄ H₁₂ N₂ . It is used primarily to treat hypertension and muscle spasms. It is not approved for use in the United States of America, and is typically prescribed in other countries.

Papaverine is an opium alkaloid antispasmodic drug with the chemical formula C₂₀ H₂₁ NO₄ . It is typically used to treat erectile dysfunction, improve blood flow, and relax smooth muscles.

Papaverine , Dibazol (Bendazol) , Papaverine hydrochloride can be retained and analyzed using the Newcrom BH stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a perchloric acid buffer. Detection is performed using UV.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 15/85%
Buffer	HClO ₄ – 0.3%
Flow Rate	1.0 ml/min

Detection	UV 265 nm
Class of Compounds	Drug
Analyzing Compounds	Papaverine,Dibazol (Bendazol),Papaverine hydrochloride

HPLC Column Used

Newcrom BH, 4.6 x 150 mm, 5 µm, 100 Å, dual ended

[Order this column at hplc-shop.de →](https://www.hplc-shop.de)