



Peaks:

1. Verapamil Related Compound B
2. Verapamil

Method Conditions

Column: Cogent Diamond Hydride™, 4µm, 100Å

Catalog No.: 70000-7.5P

Dimensions: 4.6 x 75mm

Mobile Phase:

A: DI Water / 10mM Ammonium Formate

B: 95:5 Acetonitrile / 10mM Ammonium Formate (v/v)

Gradient:

Time (minutes)	%B
0	100
9	85
10	100

Post Time: 4 minutes

Injection vol.: 1µL

Flow rate: 1.0mL / minute

Detection: UV @ 278nm

Sample Preparation: Sample mixture contained 0.1mg / mL Verapamil and 0.02mg / mL Verapamil Related Compound B in a diluent of 50:50 Solvent A / Solvent B. Peak identities were confirmed with individual Standards.

to: 0.9 minutes

Note: Verapamil is an L-type calcium channel blocker used in the treatment of Hypertension, Angina Pectoris, and Cardiac Arrhythmia.



Attachment

No 180 Verapamil and Impurity Analyzed with HPLC pdf 0.5 Mb [Download File](#)

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