

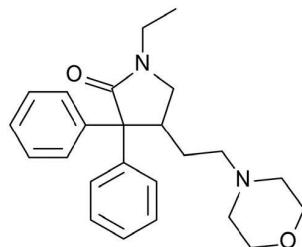
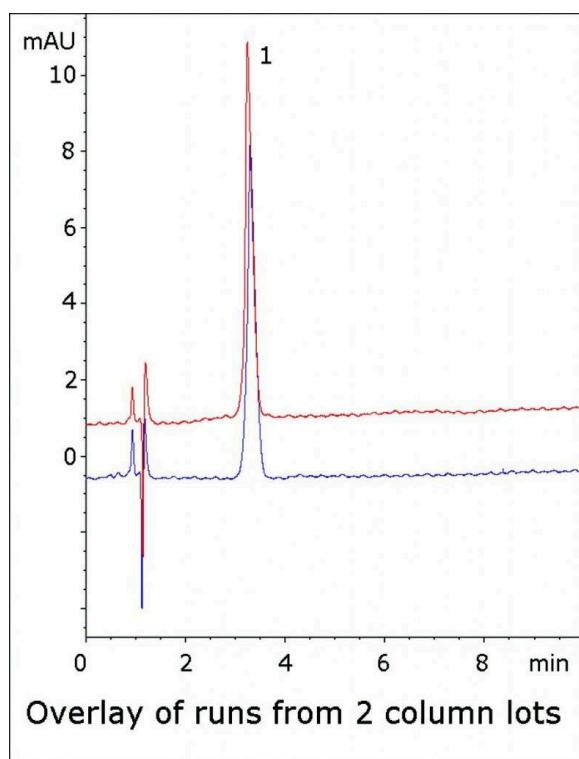


## Doxapram HCL Analyzed with HPLC - AppNote

### Easy, Rapid Isocratic Assay of A Polar Compound

Automating a Method is a distinct advantage over the official USP Method for Doxapram which is by Titration. Not only will this Method save time and money, but will reduce errors. Simple to perform, the Mobile Phase can be quickly prepared without errors.

A highly Symmetrical Peak is obtained for the analyte leading to reliable Quantitative Analysis. Injections and Chromatograms using two different lots of Columns illustrate the Reproducibility and Robustness of the Method.



Peak:

Doxapram

### Method Conditions

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

**Catalog No.:** 70000-7.5P

**Dimensions:** 4.6 x 75mm

**Mobile Phase:** 5:95 DI Water / Acetonitrile with 0.1% Trifluoroacetic Acid (*TFA*) v/v

**Injection vol.:** 1 $\mu$ L

**Flow rate:** 1.0mL / minute

**Detection:** UV @ 258nm

**Sample Preparation:** 1mg / mL Doxapram HCL in diluent of 50:50 DI Water / Acetonitrile with 0.1% Trifluoroacetic Acid (*TFA*) v/v

**t<sub>0</sub>:** 0.9 minutes

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**Note:** Doxapram is a respiratory stimulant. It acts by stimulating chemoreceptors in the carotid bodies of the carotid arteries. It is sold in trade names such as Dopram®, Stimulex®, and Respiram®.

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**Attachment No 200 Doxapram HCL Analyzed with HPLC pdf 0.6 Mb** [Download File](#)

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