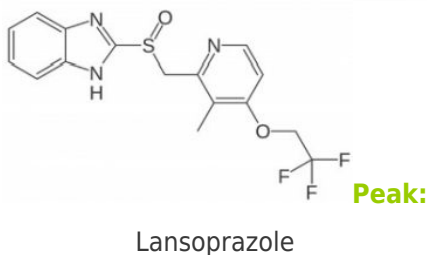
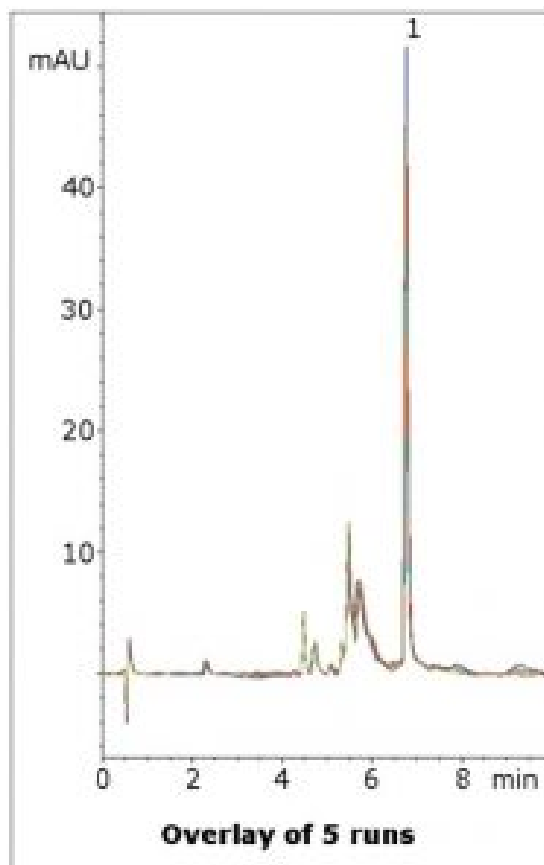


Lansoprazole Capsule Analyzed with HPLC – AppNote

Separation from matrix peaks

Lansoprazole is separated from several Matrix Components in this simple assay method. The Mobile Phase is LC-MS compatible so the method could be applied to more complex samples such as plasma. Five runs are shown in the figure to illustrate the repeatability of the data.



Method Conditions

Column: Cogent Bidentate C18™, 2.2μm, 120Å

Catalog No.: [40218-05P-2](#)

Dimensions: 2.1 x 50 mm

Mobile Phase:

A: DI Water / 0.1% Formic Acid (v/v)

B: Acetonitrile / 0.1% Formic Acid (v/v)

Gradient:

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0
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0
1
0

Injection vol.: 0.2 µL

Flow rate: 0.4mL / minute

Detection: UV @ 285 nm

Sample Preparation: 15mg strength Lansoprazole capsule contents were ground and added to a 25mL volumetric flask. A portion of 50/50 Solvent A / Solvent B was added and the flask was sonicated 10 minutes. Then it was diluted to mark and mixed. A portion was filtered through a 0.45µm Nylon Syringe Filter (MicroSolv Tech Corp.).

t₀: 0.5 minutes

Note: Lansoprazole is a proton-pump inhibitor used for acid reducing effects. It is available over-the-counter by Novartis under the trade name Prevacid, as well as generic versions.



Attachment

No 273 Lansoprazole Capsule Analyzed by HPLC pdf 0.3 Mb [Download File](#)

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