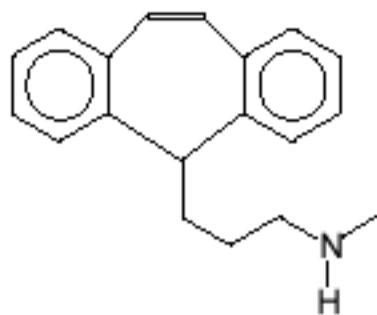
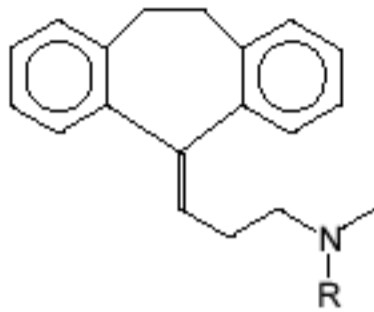


# Tricyclic Antidepressant Drugs

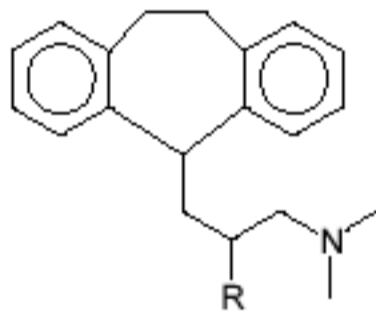


Protriptyline



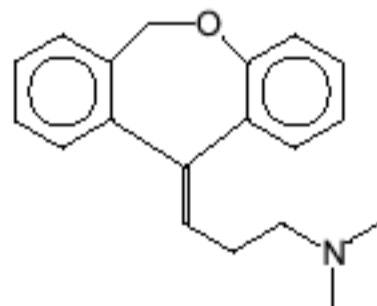
Nortriptyline  
R = H

Amitriptyline  
R = CH<sub>3</sub>

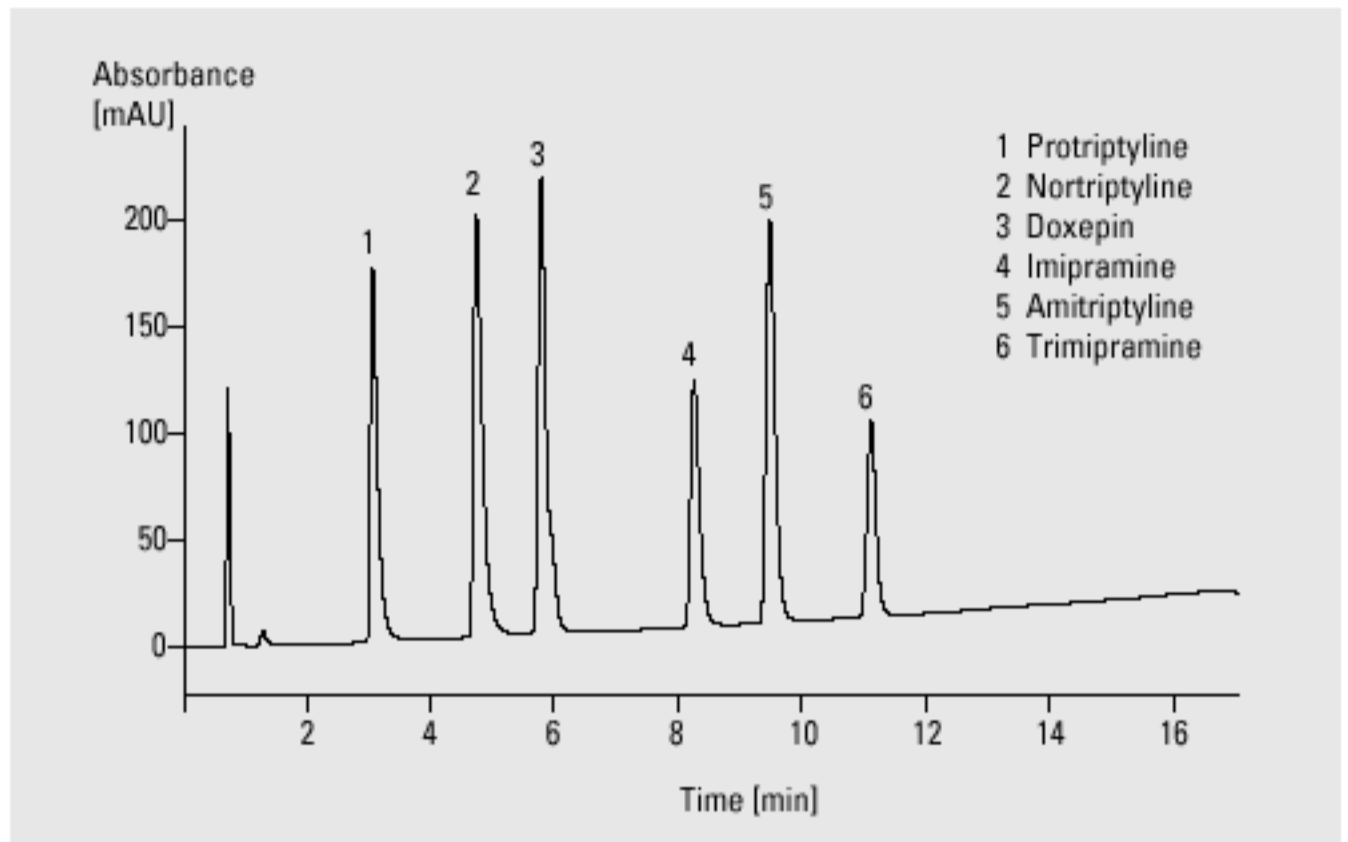


Imipramine  
R = H

Trimipramine  
R = CH<sub>3</sub>

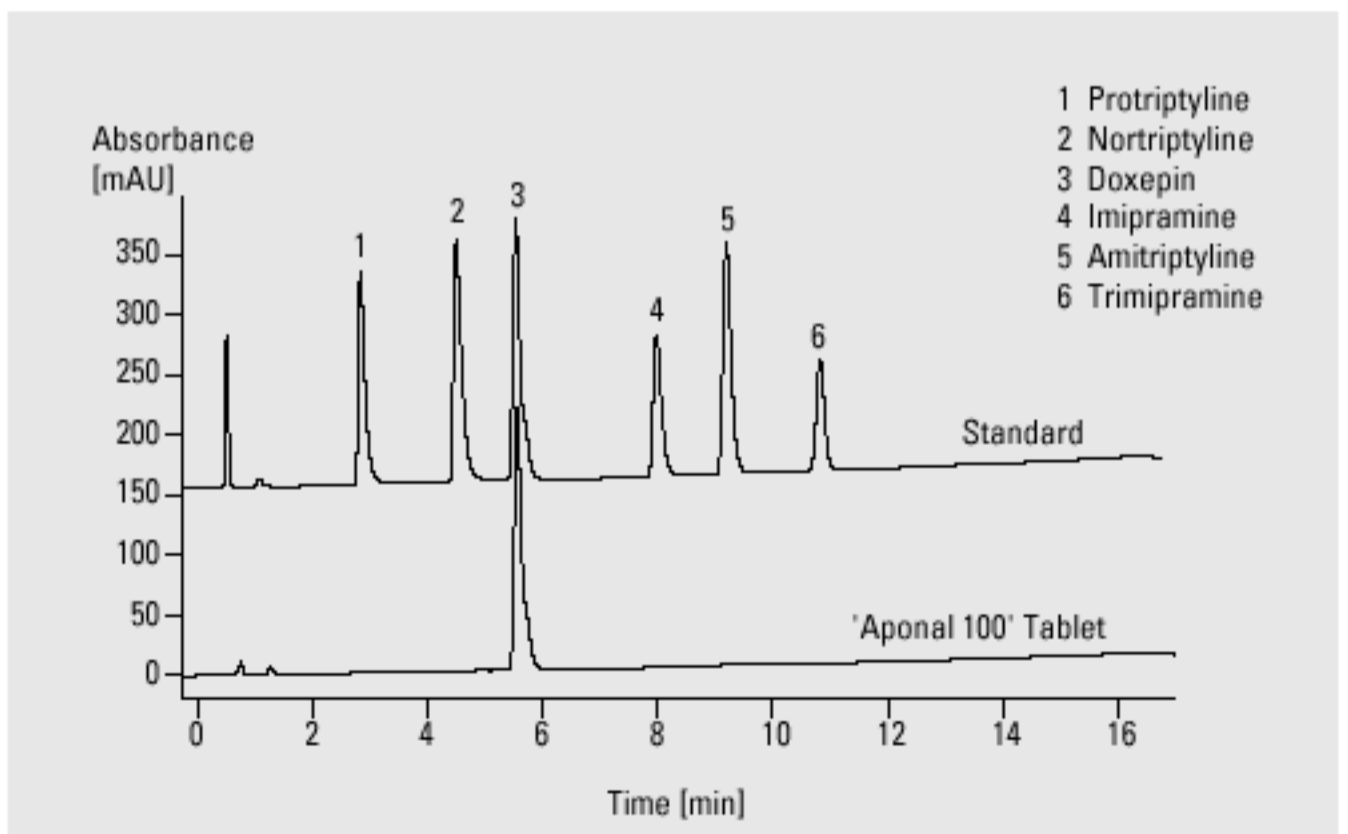


Doxepin



## Analysis of tricyclic antidepressant drugs

<b>Column</b>	4.6 x 75 mm Zorbax Eclipse XDB-C18, 3.5 μm
<b>Mobile phase</b>	A = 0.025M KH <sub>2</sub> PO <sub>4</sub> in water (pH = 7), B = methanol
<b>Flow rate</b>	1.0 ml/min
<b>Gradient</b>	at 0 min 67 % B at 15 min 85 % B
<b>Column wash</b>	at 17 min 67 % B
<b>UV detector</b>	variable wavelength detector 210 nm, standard cell
<b>Column compartment temperature</b>	40 °C
<b>Stop time</b>	17 min
<b>Post time</b>	10 min
<b>Injection volume</b>	5 μl



## Analysis of doxepine in 'Aponal 100' tablets