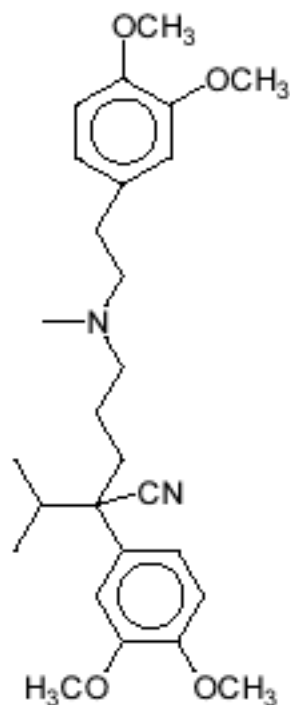
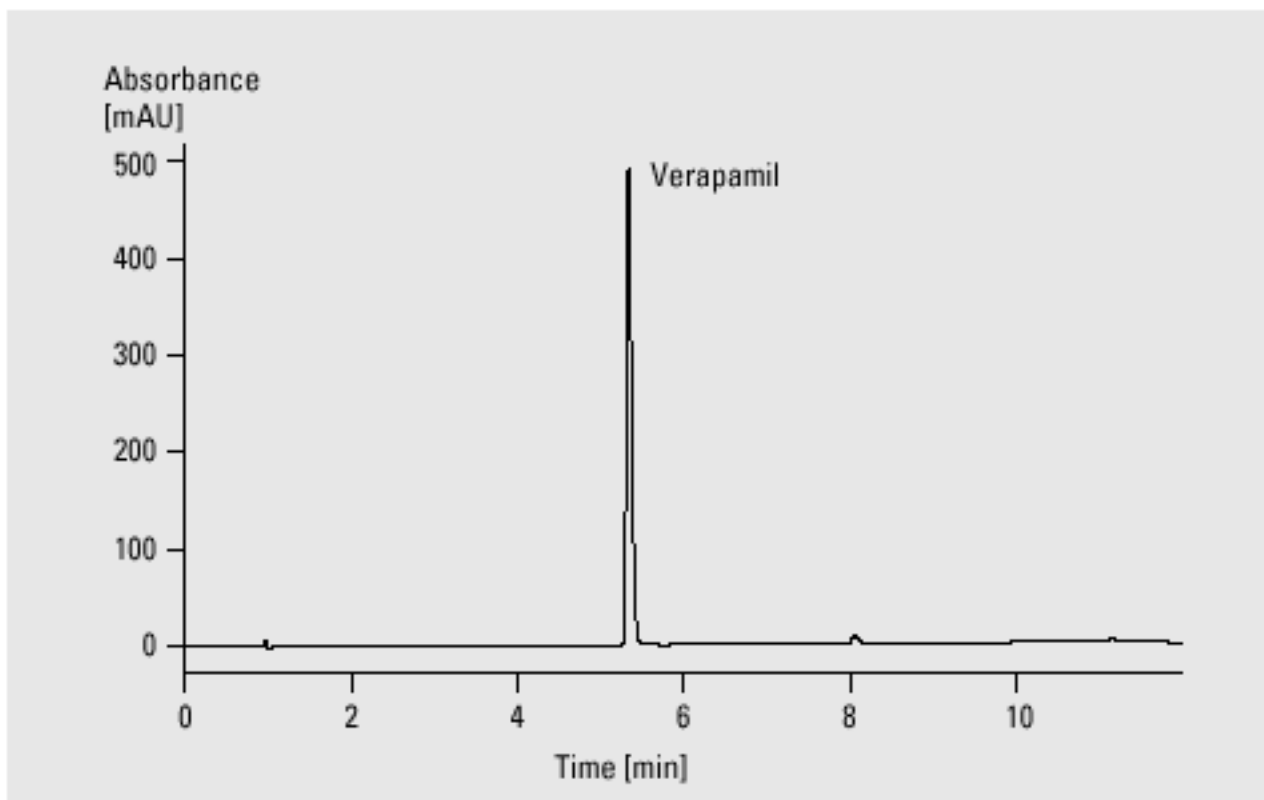


Antianginal Drugs



Verapamil



Analysis of antianginal drugs

HPLC method performance

Limit of detection (VWD)	0.01 mg/l (5- μ l injection), S/N=2
Precision of RT 10 runs, 100 mg/l	0.03%
Precision of area 10 runs, 100 mg/l	0.12%
Linearity (correlation factor)	0.99992

Column	4.6 x 75 mm Zorbax SB-C18 3.5 μ m	Column compartment temperature	25 °C
Mobile phase	A = 0.025M KH ₂ PO ₄ in water (pH = 3), B = acetonitrile	Stop time	12 min
Flow rate	1.0 ml/min	Post time	5 min
Gradient	at 0 min 20 % B at 10 min 80 % B	Injection volume	5 μ l
Column wash	at 12 min 20 % B		
UV detector	variable wavelength detector 204 nm, standard cell fluorescence detector 228/312 nm, standard cell		