

ANALYSIS OF SOME SELECTED DRUGS ACTING ON THE VASCULAR SYSTEM

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Presented to the Graduate School
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Of

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In

Pharmaceutical Analytical Chemistry

By

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B.Pharm.Sci., University of Alexandria, 2004.

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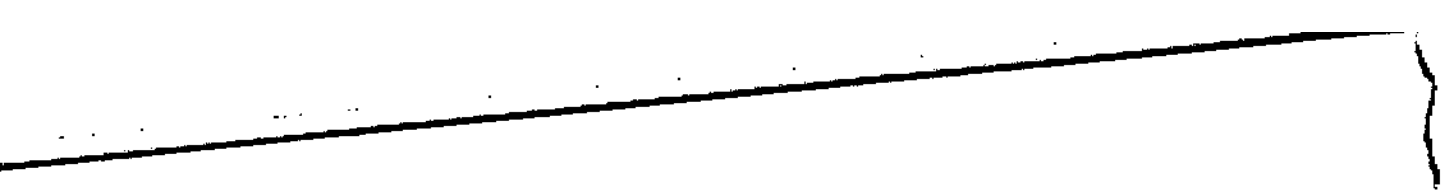
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LIST OF ABBREVIATIONS

A	Absorbance
$A_{\max}$	Maximum absorbance
a	Intercept
b	Slope
B-R	Britton-Robinson buffer
BP	British Pharmacopoeia
1D	First derivative spectrophotometry
2D	Second derivative spectrophotometry
3D	Third derivative spectrophotometry
4D	Fourth derivative spectrophotometry
1DD	First derivative of divided spectra
DP	Differential pulse
DMSO	Dimethylsulphoxide
E_p	Peak potential
E_p^a	Anodic peak potential
E_p^c	Cathodic peak potential
F	Variance ratio test
TLC	Thin layer chromatography
GC	Gas chromatography
h	Hour
HMDE	Hanging mercury drop electrode
^1H-NMR	Proton nuclear magnetic resonance
HPLC	High performance liquid chromatography
I_p	Peak current
I_p^a	Anodic peak current
I_p^c	Cathodic peak current
IR	Infra red
K'	Pseudo-order reaction rate constant or elimination constant

k'	Capacity factor
LOD	Limit of detection
LOQ	Limit of quantitation
mcg	microgram
min	Minute
MS	Mass spectrometry
mV	millivolt
N	Number of theoretical plates
nA	nanoampere
NF	Naftidrofuryl oxalate
NFA	Naftidrofuryl acid
nm	nanometer
PHN	2-(tetrahydrofuran-2-ylmethyl)-2,3-dihydro-1H-phenalen-1-one
R	Resolution
r	Correlation coefficient
RSD (%)	Percentage relative standard deviation
s	Second
S _a	Standard deviation of intercept
S _b	Standard deviation of slope
% S _b	Percentage relative standard deviation of the slope
SD	Standard deviation
S _{y/x}	Standard deviation of residuals
t _{1/2}	Half life time
t _R	Retention time
t-	Student's t-test
USP	United States Pharmacopoeia
TEA	Triethylamine
UV	Ultra-violet
V _d	Volume of drug solution

V_r	Volume of reagent solution
VA	Vincaminic acid
VN	Vincamine
ε	Molar absorptivity
$\Delta\lambda$	Wavelength interval
λ	Wavelength
λ_{em}	Wavelength of maximum emission
λ_{ex}	Excitation wavelength

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