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قسم

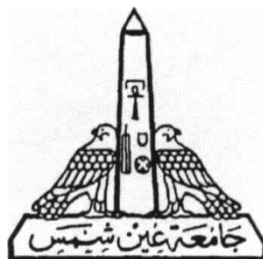
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**Phytochemical and Biological Studies on Certain Plants Belonging to
Family Fabaceae**

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By

Nouran Mohammed Mohammed Fahmy

B. Pharm. Sci., 2011

M. Pharm. Sci., 2015

Faculty of Pharmacy, Ain Shams University

Under the Supervision of

Prof. Dr. Abdel-Nasser Badawy Singab

Professor of Pharmacognosy

Vice President of Ain Shams University for Postgraduate Studies

Chairman of the Center for Drug Discovery, Research and Development

Ain Shams University

Dr. Mohamed Mahmoud El-Shazly

Associate Professor of Pharmacognosy

Faculty of Pharmacy

Ain Shams University

Dr. Eman Mohamed Kamal

Associate Professor of Pharmacognosy

Faculty of Pharmacy

Ain Shams University

Department of Pharmacognosy

Faculty of Pharmacy

Ain Shams University

Abbasia, Cairo, Egypt

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CONTENTS

	Page
Contents.....	iv
List of Abbreviations.....	viii
List of Tables.....	xi
List of Figures.....	xiii
List of Photos.....	xv
List of Schemes.....	xvi
 Introduction.....	 1
Review of Literature.....	3
Taxonomy.....	81
 Materials, Apparatus, and Methods.....	 86
1. Materials.....	86
1.1. Plant material.....	86
1.2. Materials for the phytochemical investigation of <i>E. crista-galli</i> leaves and <i>E. speciosa</i> var. Rosea leaves and flowers.....	87
1.3. Materials for the biological investigation of <i>E. speciosa</i> var. Rosea leaves and flowers.....	88
2. Apparatus.....	90
2.1. General apparatus.....	90
2.2. Chromatographic apparatus.....	90
2.3. Spectroscopy apparatus.....	91
3. Methods.....	91
3.1. Methods for the phytochemical investigation of <i>E. speciosa</i> var. Rosea leaves and flowers.....	91
3.2. Methods for the biological investigation of <i>E. speciosa</i> var. Rosea leaves and flowers	94
 CHAPTER (1)	
Phytochemical investigation on selected <i>Erythrina</i> species (Fabaceae).....	98
1. Preliminary phytochemical studies on selected <i>Erythrina</i> species.....	99
1.1. Phytochemical screening of <i>E. speciosa</i> var. Rosea and <i>E. crista-galli</i> leaves...	99

	Page
1.2. Solvent fractionation of <i>E. speciosa</i> var. <i>Rosea</i> and <i>E. crista-galli</i> leaves extract and preliminary chromatographic studies.....	100
2. Phytochemical studies on <i>E. speciosa</i> var. <i>Rosea</i> leaves and flowers.....	101
2.1. Phytochemical screening of <i>E. speciosa</i> var. <i>Rosea</i> flowers.....	101
2.2. Solvent fractionation of <i>E. speciosa</i> var. <i>Rosea</i> leaves and flowers extracts and preliminary chromatographic studies.....	101
2.3. Chemical investigation of the dichloromethane soluble fraction of <i>E. speciosa</i> var. <i>Rosea</i> leaves methanol extract (ESLDF)	102
Isolation and structural elucidation of the main compounds of the dichloromethane soluble fraction of <i>E. speciosa</i> var. <i>Rosea</i> leaves methanol extract (ESLDF).....	104
2.3.1. Fraction ESLDF II	105
Isolation of compound 1	105
Identification of compound 1 (genistein)	105
2.3.2. Fraction ESLDF-III.....	107
Isolation of compound 2	107
Identification of compound 2 (lupiwighteone)	107
Isolation of compound 3	109
Identification of compound 3 (chrysoeriol)	109
2.3.3. Fraction ESLDF-IV.....	111
Isolation of compounds 4 and 5	111
Identification of compound 4 (daidzein).....	111
Identification of compound 5 (protocatechuic acid methyl ester).....	113
2.3.4. Fraction ESLDF VI.....	114
Isolation of compounds 6 and 7 (mixture).....	114
Tentative identification of compounds 6 and 7 (β -sitosterol β -D- glucoside and β -stigmasterol β -D-glucoside).....	114
2.3.5. Fraction ESLDF-VII.....	116
Isolation of compound 8	116
Identification of compound 8 (erysotrine).....	116
Isolation of compound 9 (New Natural Product).....	119
Identification of compound 9 (11 α -Hydroxy erysotrine-8 β -methyl	

	Page
acetate).....	119
2.3.6. Fraction ESLDF-VIII.....	129
Isolation of compound 10	129
Identification of compound 10 (11- α -Hydroxyerysotrine).....	129
2.3.7. Fraction ESLDF-IX.....	132
Isolation of compound 11	132
Identification of compound 11 (erybidine).....	132
2.4. Chemical investigation of the ethyl acetate soluble fraction of <i>E. speciosa</i> var. Rosea leaves methanol extract (ESLEF).....	134
2.4.1. HPLC-ESI/MS/MS and HPLC-PDA profiling of the ethyl acetate soluble fraction of <i>E. speciosa</i> var. Rosea leaves methanol extract (ESLEF).....	134
Identification of ESLEF constituents by HPLC-ESI/MS/MS and HPLC-PDA.....	137
2.4.2. Isolation and structural elucidation of the major compounds of the ethyl acetate soluble fraction of <i>E. speciosa</i> var. Rosea leaves methanol extract (ESLEF).....	139
2.4.2.1. Fraction ESLEF-IV.....	139
Isolation of compound 12	139
Identification of compound 12 (vitexin).....	139
2.5. Chemical investigation of the dichloromethane soluble fraction of <i>E. speciosa</i> var. Rosea flowers methanol extract (ESFD).....	142
Isolation and structural elucidation of the main compounds of <i>E. speciosa</i> var. Rosea flowers.....	142
2.5.1. Fraction ESFD-II	143
Isolation of compound 13 (Erysotrine)	143
Identification of erysotrine	143
2.5.2. Fraction ESFD-V.....	144
Isolation of compound 14	144
Identification of compound 14 (erysotrine <i>N</i> -oxide).....	144

	Page
CHAPTER (2)	
Biological investigation of <i>E. speciosa</i> var. <i>Rosea</i> Andrews (Fabaceae).....	145
1. <i>In vitro</i> biological activity	146
1.1. Cytotoxic activity.....	146
1.2. Antibacterial activity.....	147
1.3. Antiviral activity.....	153
2. <i>In vivo</i> gastroprotective activity.....	156
2.1. <i>In vivo</i> gastroprotective pilot study of <i>E. speciosa</i> var. <i>Rosea</i> leaves fractions.....	156
2.2. Acute toxicity study on ESLEF.....	156
2.3. <i>In vivo</i> gastroprotective activity of the ethyl acetate soluble fraction of <i>E.</i> <i>speciosa</i> var. <i>Rosea</i> leaves methanol extract (ESLEF).....	157
General Summary	174
Conclusion and Recommendations	180
References.....	181
Arabic Summary.....	

LIST OF ABBREVIATIONS

ALP	Alkaline phosphatase
ALT	Alanine aminotransferase
AMPK	Human prostate cancer cell line
ANOVA	Analysis of variance
APT	Attached proton test
AST	Aspartate aminotransferase
ATCC	American type culture collection
BC	Lymphoma cell line
brd	Broad doublet
bw	Body weight
Caco2	Colorectal adenocarcinoma cells
CCRF-CEM	T lymphoblastoid cell line
CD₃OD	Deuterated methanol- <i>d</i> ₄
COSY	Correlation spectroscopy
Cox B4	Coxsackie B4
COX-1/COX-2	Cyclooxygenase enzyme 1/2
DCM	Dichloromethane
DGAT	Diglyceride acyltransferase
DPPH•	2,2-diphenyl-1-picrylhydrazyl radical
EC₅₀	Effective concentration by 50%
ECLB	<i>Erythrina crista-galli</i> leaves butanol fraction
ECLD	<i>Erythrina crista-galli</i> leaves dichloromethane fraction
ECLE	<i>Erythrina crista-galli</i> leaves ethyl acetate fraction
ECLH	<i>Erythrina crista-galli</i> leaves hexane fraction
ELISA	Enzyme linked immunosorbent assay
ER α/β	Estrogen receptors α/β
ERE	Estrogen response element
ERK/MAPK	Extracellular signal regulated kinase/mitogen activated protein kinase
ESFBF	<i>Erythrina speciosa</i> flowers butanol fraction
ESFDF	<i>Erythrina speciosa</i> flowers dichloromethane fraction
ESFEF	<i>Erythrina speciosa</i> flowers ethyl acetate fraction
ESFHF	<i>Erythrina speciosa</i> flowers hexane fraction
ESI	Electrospray ionization
ESLBF	<i>Erythrina speciosa</i> leaves butanol fraction
ESLDF	<i>Erythrina speciosa</i> leaves dichloromethane fraction
ESLEF	<i>Erythrina speciosa</i> leaves ethyl acetate fraction
ESLHF	<i>Erythrina speciosa</i> leaves hexane fraction
FBS	Fetal bovine serum
GSH	Glutathione
HAV	Hepatitis A virus
HCT116	Human colorectal carcinoma cell lines
HDL	High density lipoprotein
HeLa	Human cervical carcinoma cell lines
HepG2	Human hepatocellular liver carcinoma cell line

hGLO I	Human glyoxalase I
HIV	Human immunodeficiency virus
HL-60	Human promyelocytic leukemia cells
HMBC	Heteronuclear multiple bond correlation
HMG-CoA	B-hydroxy β -methylbutyryl-coenzyme A
HPLC	High performance liquid chromatography
HSP	Heat shock protein
HSQC	Heteronuclear single-quantum correlation
HSV 1	Herpes simplex virus type 1
i.p	Intraperitoneal
IC₅₀	Inhibitory concentration by 50%
ID	Internal diameter
IL	Interleukin
INF	Interferon
iNOS	Inducible nitric oxide synthase
K-562	Human immortalized myelogenous leukemia cell line
KB	Human epidermoid carcinoma
LDH	Lactate dehydrogenase
LDL	Low density lipoprotein
LNCaP	Androgen-sensitive human prostate adenocarcinoma cells
LOX	15-lipoxygenase
LPS	Lipopolysaccharide
MCF7	Human breast adenocarcinoma cell line
MDA	Malondialdehyde
MDA-MB-231	Human breast carcinoma cell lines
MIC	Minimum inhibitory concentration
MNTC	Maximum non-toxic concentration
MNTC	Maximum nontoxic dose
MOLT-4	Acute lymphoblastic leukemia cell line
MRC 5	Medical research council cell strain 5
MRSA	Methicillin resistant <i>Staphylococcus aureus</i>
MTT	Microculture tetrazolium assay
MTX	Methotrexate
nAChRs	Nicotinic acetylcholine receptors
NCI-H187	Small cell lung carcinoma cell lines
NFF	Human neonatal foreskin fibroblast
NF-κB	Nuclear factor kappa B
NO	Nitric oxide
OVX	Ovariectomized rats
PC	Paper chromatography
PC3	Human prostate cancer cell line
PDA	Photodiode array
PGE₂	Prostaglandin E ₂
PLA2	Phospholipase A2
PTFE	Polytetrafluoroethylene Teflon
PTP1B	Protein tyrosine phosphatase 1B
RBA	Receptor binder affinity
RPMI	Roswell Park Memorial Institute medium

TCID	Tissue culture infectious dose
TNF-α	Tumor necrosis factor alpha
TPA	12- <i>O</i> -tetradecanoylphorbol-13-acetate
TQD	Triple quadrupole mass spectrometry
TRAIL	Tumor necrosis factor (tnf)-related apoptosis-inducing ligand
U2OS	Human bone osteosarcoma epithelial cells
U87MG	Glioblastoma cell line
VLC	Vacuum liquid chromatography
VLDL	Very low-density lipoprotein
VRE	Vancomycin-resistant enterococcus
VRSA	Vancomycin-resistant <i>Staphylococcus aureus</i>

