

Chemical and Biological Investigation on Certain Species of Genus *Erythrina* Belonging to Family Leguminosae

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LIST OF ABBREVIATIONS

AcOH-6%	6% acetic acid
ALT	Alanine aminotranseferase
AST	Aspartate aminotranseferase
ANOVA	Analysis of variance
¹³C-NMR	Carbon-13 Nuclear Magnetic Resonance
CC	Column chromatography
CCL₄	Carbon tetrachloride
conc.	concentrated
CoPC	Comparative paper chromatography
<i>D</i>	doublet
<i>dd</i>	doublet of doublet
dil.	Diluted
DTNB	5,5'-dithiobis-(2-nitrobenzoic acid), Elman's reagent
DMSO-<i>d</i>₆	Deutrated Dimethylsulfoxide- <i>d</i> ₆
DPPH	1,1-diphenyl-2-picrylhydrazyl radical
EC₅₀	Efficient Concentration by 50%.
ECM	Extracellular matrix
EDTA	Ethylene diamine tetra-acetic acid
<i>eq.</i>	equatorial
ER	Estrogen receptor
ESI-MS	Electro-Spray Ionization Mass Spectrometry
FBS	Fetal bovine serum
Fig.	figure
GFP	Green Flouresecent protein
GSH	Glutathione
H₂O₂	Hydrogen peroxidase
HCL	Hydrochloric acid
HepG2	Hepatocellular carcinoma cell line

$^1\text{H-NMR}$	Proton Nuclear Magnetic Resonance
HHDP	Hexahydroxydiphenoyl
HMBC	Heteronuclear Multiple Bond Correlation
Hz	Hertz
IC₅₀	Inhibitory concentration by 50 %.
ID	Inhibitory dose
IR	Infrared
<i>J</i> value	Coupling constant
MAC	Minimum active concentration
MHz	Mega hertz
MIC	Minimum inhibitory concentration
mM	Millimole
MRSA	Methicillin resistant staphylococcus aureus
MS	Mass spectrometry
MS medium	Murashige and Skoog medium (for cell culture)
m/z	Mass to charge ratio
nm	Nanometer
PC	Paper Chromatography
PH	Hydrogen ion concentration
PPC	Preparative paper chromatography
PMS	Phenazine methosulphate
PTP1B	Protien Tyrosin Phosphatase 1B
ppm	Part Per Million
<i>q</i>	quartet
R_f	Retardation factor
R_t	Retention time
RPMI	Roswell Park Memorial Institute (culture medium)
<i>s</i>	singlet
SEM	Standered error of mean
SOD	Superoxide dismutase

<i>t</i>	triplet
TAC	Total antioxidant capacity
TCA	Trichloroacetic acid
TDPC/UV	Two Dimensional Paper Chromatography/ Ultraviolet
TLC	Thin Layer Chromatography
TMS	Tetramethylsilane
MERSA	Methicillin resistant <i>Sataphylococcus aureus</i>
µg/ml	Microgram per milliliter
MIC	Minimum inhibitory concentration
µM	Micromole
mmol/L	Millimole per liter
NBT	Nitroblue tetrazolium
nm	Nanometer
U2OS	Human osteosarcoma cell line
UV	Ultraviolet
δ	Chemical shift by delta value
λ	Wave length
2D-PC	Two dimensional paper chromatography

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