



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكرو فيلم

بسم الله الرحمن الرحيم



HANAA ALY



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شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

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Immunomodulatory Effects of Certain Fungal Metabolites on Some Selected Cancer or Viral Infected Cell Lines

A Thesis

Submitted in Partial Fulfillment of the Requirements for the

Doctor of Philosophy Degree (Ph.D)

In Pharmaceutical Sciences

(Microbiology and Immunology)

By

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MSc. of Pharmaceutical sciences, Cairo University, 2018

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List of Abbreviations

Abbreviation	Definition
AAPH	2,2'-azobis(2-amidinopropane) dihydrochloride
ABTS	2,2'-azino-bis(3-ethylbenzothiazoline-6-sulfonic acid
<i>A.bisporus</i>	<i>Agaricus bisporus</i>
Adv	Adenovirus
AHRI	Animal Health Research Institute
ANOVA	Analysis of variance
BCA	Bicinchoninic acid
BLAST	Basic Local Alignment Search Tool
CBC	Complete blood count
CC50	Half-maximal cytotoxic concentration
CCHE	Children's Cancer Hospital Egypt
CIT	Cancer immunotherapy
CPE	Cytopathic effect
CUPRAC	Cupric ion reducing antioxidant capacity
DMEM	Dulbecco's Modified Eagle Medium
DPPH	2, 2-diphenyl-1-(2, 4, 6-trinitrophenyl) hydrazyl
EDTA	Ethylenediaminetetraacetic acid
ELISA	Enzyme-linked immunosorbent assay
EV	Enteroviruses
FRAP	Ferric reducing/antioxidant power
HCT	Hematocrit
HIV	Human Immunodeficiency virus
HPLC	High-Performance Liquid Chromatography
HSV	Herpes simplex virus
IC50	Half-maximal inhibitory concentration
IFN- γ	Interferon gamma
IL-1 β	Interlukin 1 beta
ITS	Internal Transcribed spacer
<i>L.edodes</i>	<i>Lentinula Edodes</i>
MTT	3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide tetrazolium
NCBI	National Center for Biotechnology Information

List of Abbreviations

NO	Nitric oxide
OD	Optical density
ORAC	Oxygen radical absorbance capacity
<i>P.columbinus</i>	<i>Pleurotus columbinus</i>
<i>P.ostreatus</i>	<i>Pleurotus ostreatus</i>
<i>P.sajor-caju</i>	<i>Pleurotus sajor-caju</i>
PBMCs	Peripheral blood mononuclear cells
PBS	Phosphate buffer saline
PDA	Potato Dextrose Agar
PDB	Potato dextrose broth
PLT	Platelet
RBCs	Red blood cells
RPMI	Roswell Park Memorial Institute
SI	Selectivity index
SRB	Sulforodamine B
TCA	Trichloroacetic acid
TFC	Total Flavonoid content
TNF- α	Tumor necrosis factor alpha
TPC	Total phenolic content
TRAP	Total radical absorption potentials
WBCs	White blood cells
WHO	World health organization
WST	Water Soluble Tetrazolium

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