شبكة المعلومات الجامعية

بسم اللّه الرحمن الرحيم

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

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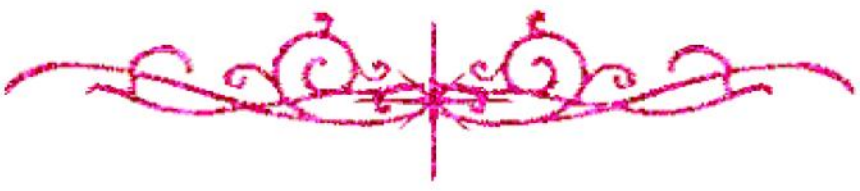

بالرسالة صفحات
لم ترد بالأصل

Faculty of Pharmacy
Pharmaceutical Chemistry Dept.

Radiostability and Antibacterial Activity of some New Halogenated 1,3-Thiazolidin-4-one Derivatives

A Thesis
Submitted in Partial Fulfillment of the Requirements for the

Master degree
In Pharmaceutical Sciences
(Pharmaceutical Chemistry)

By

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Shaymaa Gamal

Besides the work presented in this thesis, the candidate successfully passed the Master's general and special postgraduate courses in Pharmaceutical Chemistry in the academic year 2017/2018 with the following grades;

1) Scientific Writing and Research Ethics	A–
2) Instrumental Analysis	A
3) Bioinformatics	B+
4) Biostatistics	B+
5) Comprehensive Organic Chemistry	B+
6) Computer Aided Drug Design	A–
7) Methods of Drug Screening	A
8) Structure Elucidation of Chemical Entities	A–
9) Pharmaceutical Chemistry	A
10) Stereochemistry	A–

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List of Abbreviations

AARS(s)	Aminoacyl-tRNA synthetase(s)
Abs	Absorbance
ADAM10	A disintegrin and metalloproteinase-10
DMEM	Dulbecco's modified Eagle's medium
AMR	Antimicrobial resistance
APS	Ammonium persulfate
ATP	Adenosine triphosphate
B. cereus	*Bacillus cereus*
BHIS	Brain heart infusion supplemented
B. megaterium	*Bacillus megaterium*
B. subtilis	*Bacillus subtilis*
Caco-2	Continuous line of heterogeneous human epithelial colorectal adenocarcinoma
CAMHB	Cation adjusted Mueller-Hinton broth
CC_{50}	50% Cytotoxic concentration
CDC	Centers for Disease Control
CFU	Colony forming unit
CLSI	Clinical and Laboratory Standards Institute
CysK1	*O*-acetylserine sulfhydrylase-A in *Mycobacterium tuberculosis*
COL	Colistin
DBU	1,8-Diazobicyclo[5.4.0]undec-7-ene

DHFR	Dihydrofolate reductase
DHPS	Dihydropteroate synthase
DIPEA	Diisopropylethylamine
DME	Dimethoxyethane
DMF-DMA	*N*,*N*-Dimethylformamide dimethylacetal
DNA	Deoxyribonucleic acid
***d*TDP**	Deoxythymidine diphosphate
E. cloacae	*Enterobacter cloacae*
E. coli	*Escherichia coli*
EDG(s)	Electron donating group(s)
E. faecalis	*Enterococcus faecalis*
Em	Emission
EPS	Extracellular polymeric substance
ESI	Electrospray ionization
EWG(s)	Electron withdrawing group(s)
FBS	Fetal bovine serum FBS
FDA	Food and drug administration
GLASS	Global Antimicrobial Resistance Surveillance System
H	Hour(s)
HC_{50}	50% Hazardous concentration
HGT	Horizontal gene transfer
HK(s)	Histidine kinase(s)
Hla	Alpha-hemolysin