



**BIOCHEMICAL, PHARMACOKINETICAL AND
HISTOLOGICAL STUDIES ON A NATURAL
ANTHRAQUINONE ON SOLID TUMOUR**

IN VIVO

**Thesis
Submitted
By**

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**This Thesis Has Not Been Submitted For A Degree At
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To the memory of my father.

*I dedicate this thesis to my beloved mother, brothers
and husband whom I honor my cherish. Their
overwhelming joy undoubtedly greatly exceeds my own in
attaining my PhD degree.*

To them, I owe everything

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ABBREVIATIONS

A/G	Albumin to globulin ratio.
ALP	Alkaline phosphatase.
ALT	Alanine aminotransferase.
AMP	Adenosine monophosphate.
AUC	Area under curve.
AST	Aspartate aminotransferase.
b.w	Body weight.
BCG	Bromocresol green.
BCIP	5-bromo-4-chloro-3-indolyl phosphate.
EAC	Ehrlich AscitesCarcinoma.
EDTA	Ethylenediaminetetraacetate.
g-GT	g-glutamyl transpeptidase.
Gr	Group.
Gr. N.C.	Group normal control.
Gr. N.tr.	Group normal treated.
Gr.P.T.tr.	Group post tumour treated.
Gr.T.	Group tumour.
Gr.T.tr.	Group tumour treated.
G-6-Pase	Glucose-6-phosphatase.
H.E	Haemoxylin-eosine.
Hb	Hemoglobin.
i.m	Intramuscular.
ILS	Increase in life span.
MTD	Maximum tolerated dose.
LD50	Median lethal dose.
LD100	Lethal dose.
LDH	Lactate dehydrogenase.
LTD	Limited.
MEC	Minimumeffective concentration.
MTC	Minimum toxic concentration.
M. W	Molecular weight.

NADH	Nicotinamid adenine dinucleotide reduced.
N.S	Non-significant.
5-Ntase	5-nucleotidase.
PCV	Packed cell volume.
Pi	Inorganic phosphate.
PMS	Phenazine methosuphate.
Po	Organic phosphate.
Po/Pi ratio	Organic to inorganic phosphate ratio.
P value	Probability.
s.c	Subcutaneously.
S.D	Standard deviation.
S.E	Standard error.
RBCs	Red blood corpuscles.
r.p.m	Revolution per minute.
TCA	Trichloroacetic acid.
TNBT	Tetranitroblue tetrazolium.
WBCs	White blood cells.

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