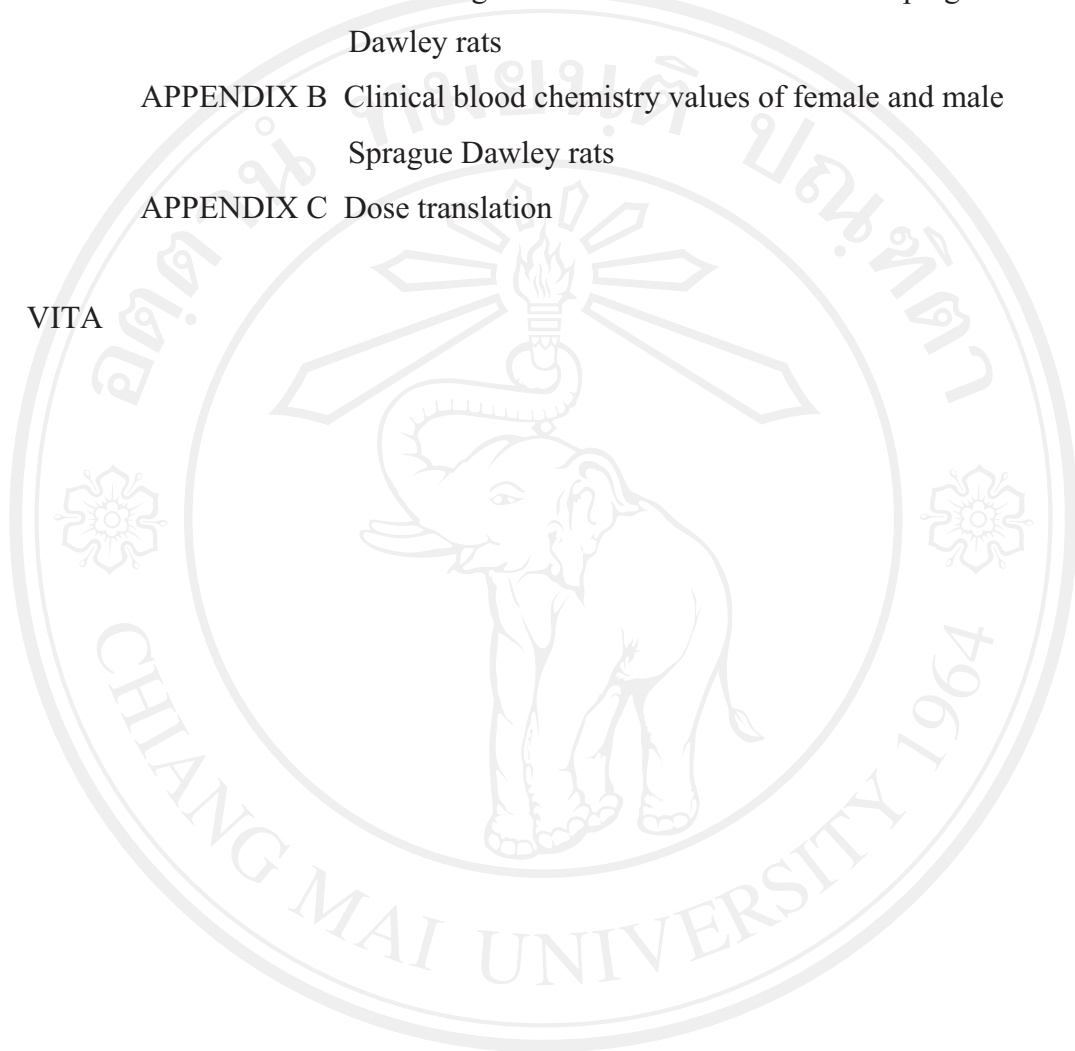




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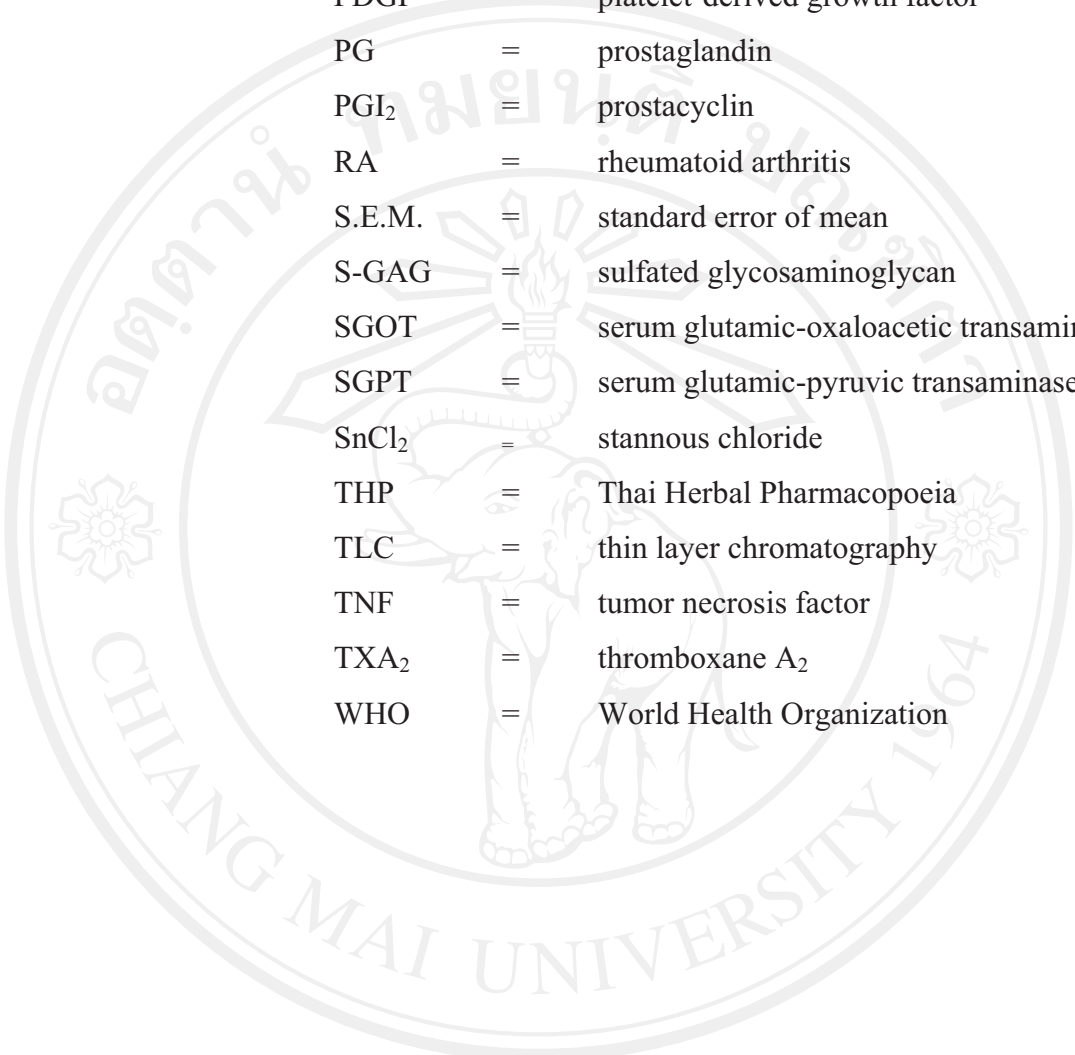
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## ABBREVIATIONS

cm	=	centimeter
dl	=	deciliter
°C	=	degree Celsius
g	=	gram
h	=	hour
kg	=	kilogram
l	=	liter
μl	=	microliter
μm	=	micrometer
mg	=	milligram
ml	=	milliliter
mm	=	millimeter
min	=	minute
ng	=	nanogram
nm	=	nanometer
sec	=	second
U	=	unit
AA	=	arachidonic acid
AChE	=	acetylcholinesterase
ANOVA	=	one-way analysis of variance
B-HABP	=	biotinylated-HA binding proteins
BUN	=	blood urea nitrogen
BSA	=	bovine serum albumin
CGRP	=	calcitonin gene-related peptide
COX	=	cyclooxygenase
CS-C	=	chondroitin 6-sulfate
DMEM	=	Dulbecco's modified Eagle's medium
DMSO	=	dimethylsulfoxide

ECM	=	extracellular matrix
EGF	=	epidermal growth factor
EIA	=	enzyme immunoassay
ELISA	=	enzyme-linked immunosorbent assay
EPP	=	ethyl phenylpropionate
ER	=	endoplasmic reticulum
EtOH	=	ethanol
GAG	=	glycosaminoglycan
HA	=	hyaluronan or hyaluronic acid
hCG	=	human chorionic gonadotropin
HCl	=	hydrochloric acid
HPLC	=	high performance liquid chromatography
HPR	=	hydroxyproline
H&E	=	haematoxylin and eosin
5-HETE	=	5-hydroxyl fatty acid
IFN	=	interferon
IL	=	interleukin
LD	=	lethal dose
LOX	=	lipooxygenase
LPS	=	lipopolysaccharide
LSD	=	least-significant difference
LT	=	leukotriene
LX	=	lipoxin
MMP	=	matrix metalloproteinase
NaOH	=	sodium hydroxide
NO	=	nitric oxide
NSAIDs	=	non-steroidal anti-inflammatory drugs
NSS	=	normal saline solution
OA	=	osteoarthritis
OECD	=	Organization of Economic Co-operation and Development
OPD	=	o-phenylenediamine



PAF	=	platelet-activating factor
PBS	=	phosphate buffered saline
PDGF	=	platelet-derived growth factor
PG	=	prostaglandin
PGI <sub>2</sub>	=	prostacyclin
RA	=	rheumatoid arthritis
S.E.M.	=	standard error of mean
S-GAG	=	sulfated glycosaminoglycan
SGOT	=	serum glutamic-oxaloacetic transaminase
SGPT	=	serum glutamic-pyruvic transaminase
SnCl <sub>2</sub>	=	stannous chloride
THP	=	Thai Herbal Pharmacopoeia
TLC	=	thin layer chromatography
TNF	=	tumor necrosis factor
TXA <sub>2</sub>	=	thromboxane A <sub>2</sub>
WHO	=	World Health Organization